

Arizona State University

Academic Catalog Archive

2014-2015



This document provides an archival record of the academic programs offered during the 2014-2015 academic year. It is a printable option of the online catalog for accreditation organizations, agencies and university offices for data collection, evaluation purposes and referencing. The information and links presented in this archive may no longer be accurate. For current catalog information, refer to the online version of the academic catalog.

Corrections or additions to the Academic Catalog Archive 2014-2015 program information and major maps, as of August 30, 2014, may be provided in a future addendum. For inquiries or questions please contact academic.catalog@asu.edu.

About this Document

To navigate this version of the Academic Catalog 2014-2015 refer to the table of contents and the bookmarks provided. The table of contents provides a hyperlinked listing of resources in the order in which they appear in this document. Keyword searches may be employed as an additional means of locating resources within this document.

This document contains program descriptions and requirements for graduate degrees and certificates, undergraduate degrees, minors and undergraduate certificates. Major maps, included for undergraduate degrees, outline each degree's requirements and a recommended sequence of courses. Additionally, Arizona State University has established special transfer partnership documents with Arizona community colleges to facilitate the transition to ASU. Maricopa to ASU Pathways Program (MAPP) for established undergraduate degrees can be found at the end of this document.

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ASU Mission, Vision and Values

ASU Vision and Goals: 2013 and Beyond

ASU Vision

To establish ASU as the model for a New American University, measured not by who we exclude, but rather by who we include and how they succeed; pursuing research and discovery that benefits the public good; assuming major responsibility for the economic, social, and cultural vitality and health and well-being of the community.

ASU Mission & Goals: 2013 And Beyond

Demonstrate American leadership in academic excellence and accessibility

- Maintain the fundamental principle of accessibility to all students qualified to study at a research university
- Maintain university accessibility to match Arizona's socioeconomic diversity
- Improve freshmen persistence to 90%
- Enhance university graduation rate to 75%-80% and 25,000 graduates
- Enhance quality while reducing the cost of a degree
- Enroll 100,000 online and distance education degree seeking students
- Enhance linkages with community colleges so as to expand baccalaureate degree production to national leadership levels
- Enhance measured student development and individual student learning to national leadership levels

Establish national standing in academic quality and impact of colleges and schools in every field

- Attain national standing in academic quality for each college & school (top 5-10% for each college)
- Attain national standing in the learning value added to our graduates in each college & school
- Become the leading university academically (faculty, discovery, research, creativity) in at least one department or school within each college/school

Establish ASU as a global center for interdisciplinary research, discovery and development by 2020

- Become a leading global center for interdisciplinary scholarship discovery and development
- Become a leading American center for discovery and scholarship in the social sciences, arts and humanities
- Enhance research competitiveness to more than \$700 million in annual research expenditures
- Augment regional economic competitiveness through research and discovery and value-added programs

Enhance our local impact and social embeddedness

- Enhance linkage to local and regional social and community development groups
- Establish/develop/enhance linkages and partnerships with local, regional and national NGO's, governments and public agencies, and private sector firms with a focus on community development
- Undertake applied sustainability research that impacts the social, environmental and economic evolution of the southwest
- Provide an objective and ongoing facilitation role for the region's progress

Source URL: <http://president.asu.edu/about/asuvision>

Institutional Inclusion

Diversity Plan

ASU is deeply committed to positioning itself as one of the great new universities by seeking to build excellence, enhance access, and have an impact on our community, state, nation and the world. To do that requires our faculty and staff reflect the intellectual, ethnic and cultural diversity of our nation and world so that our students learn from the broadest perspectives, and we engage in the advancement of knowledge with the most inclusive understanding possible of the issues we are addressing through our scholarly activities. As one part of this commitment, we have developed a strategic plan for diversity at ASU. Developed in consultation with a wide variety of constituencies within the university and the deans, this plan, called "Building blocks for success through people, programming and policies," contains a statement that serves as an ongoing touchstone of our commitment and several specific initiatives that will change and evolve over time, depending on the challenges and opportunities we have before us.

Diversity is defined in terms of representation and inclusion. Representation reflects the extent to which our students, staff, faculty and administrators proportionately reflect the regional and national populations served by our public institution. Inclusion encompasses empowerment and voice among all members of the university community in the areas of scholarship, teaching, learning and governance. We recognize that race and gender historically have been markers of diversity in institutions of higher education; we further believe that diversity includes additional categories such as socioeconomic background, religion, sexual orientation, gender identity, age, disability, veteran status, nationality and intellectual perspective.

Source URL: <https://diversity.asu.edu/plan>

Accreditations

All ASU academic programs are fully accredited by the North Central Association Higher Learning Commission. The institution has been continuously accredited by the Higher Learning Commission since 1931.

This accreditation is reviewed for reaffirmation every ten years, with the next review in 2022. (For more information on the reaffirmation process, see here [1].) The official letter from the Higher Learning Commission communicating the status of ASU's accreditation is available for public viewing here [2].

A number of programs also have **specialized accreditations** by professional and national accrediting agencies. A list of those specialized accreditations may be found here [3].

ASU University Accreditation Office

At ASU, the Vice Provost for Graduate Education serves as the University Accreditation Officer (UAO). Representing the University President and the University Provost, the UAO officer is charged with the essential functions related to university-wide accreditation activities and with providing guidance and assistance as the process moves forward leading to successful and productive accreditation visits.

University Accreditation Officer and Vice Provost for Graduate Education

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Functions of the ASU University Accreditation Office

Liaison to the Higher Learning Commission (HLC).

The UAO monitors institutional compliance with HLC requirements and coordinates the institutional evaluation for continuing accreditation by the HLC every ten years. The UAO also facilitates HLC approval of program and/or institutional changes where required. As a program prepares for accreditation, it is encouraged to visit the HLC website higherlearningcommission.org to find information about HLC standards and procedures for accreditation.

Professional Accreditation Oversight

The UAO works closely with academic units and programs that seek new accreditation or seek re-accreditation. This oversight includes:

1. Coordination of site visitors schedule and university administrators. All programs are asked to coordinate the site visitors schedules/itinerary with the UAO – this to insure that appropriate university administrators will be available at the time of the site visit.
2. Review of self-study draft. The UAO will conduct a review of the self-study draft to assure a self-study that meets the accreditation criteria and guidelines and addresses any problems from previous accreditation and other issues that may be present. A written report will be returned to the program with recommendations and edits.

3. Briefing paper. The UAO will review the briefing paper draft (prepared by the program) and submit recommendations and edits before the final paper is distributed to university administrators and other appropriate officials. The briefing paper is an in-house confidential resource and not shared with the site visitors.
4. The site visit report and response to the report. The UAO will review the site visit report and the program's draft response, looking for accuracy, completeness, and tone. Based on this review, written recommendations for the program response will be made.
5. Accreditation Status Letter. The original letter is held in the UAO as part of the accreditation permanent records. The UAO will send copies of this letter to the program and supervising administrator. The UAO will enter the date of the next accreditation review into the university calendar which is maintained by this office.

Note: Repository for all accreditation documents.

All programs are asked to provide copies of all accreditation records, reports and other documentation to the UAO, as they become available. Records will be held in the UAO until being sent to University Archives.

Source URL: <http://accreditation.asu.edu/accreditation-asu-academic-programs>

Links:

[1] <http://hlc2013.asu.edu/>

[2] http://accreditation.asu.edu/sites/default/files/HLC_Accreditation_Letter.pdf

[3] <http://accreditation.asu.edu/programs-specialized-accreditation>

North Central Association Higher Learning Commission institutional accreditation information is always available at:

http://ncahlc.org/component/com_directory/Action,ShowBasic/Itemid,/instid,1002/.



October 3, 2013

President Michael M. Crow
Arizona State University
PO Box 2203
Tempe, AZ 85287-2203

Dear President Crow:

This letter is formal notification of the action taken concerning Arizona State University by the Higher Learning Commission. At its meeting on September 24, 2013, the Institutional Actions Council (IAC) acted on the items below. This letter serves as the official record of this action, and the date of this action constitutes the effective date of your new status with the Commission.

Action. IAC continued the accreditation of Arizona State University with the next Reaffirmation of Accreditation in 2022-23.

If the current Commission action includes changes to your institution's *Statement of Affiliation Status (SAS)* or *Organizational Profile (OP)*, the changes will appear in these documents within three weeks of the date of action. The SAS is a summary of your institution's ongoing relationship with the Commission. The OP is generated from data you provided in your most recent Institutional Update.

The Commission posts the SAS, OP and this action letter with the institution's directory listing on its website. Information for institutions on notifying the public of this action is available at <http://ncahlc.org/Information-for-Institutions/institutional-reporting-of-actions.html>.

If you have questions about these documents after viewing them, please contact Susan Devine. On behalf of the Board of Trustees, I thank you and your associates for your cooperation.

Sincerely,

A handwritten signature in black ink that reads "Sylvia Manning".

Sylvia Manning
President

Programs with Specialized Accreditation

ACCREDITED PROGRAMS	ACCREDITING AGENCIES
College of Liberal Arts and Sciences (T)	
Department of Speech and Hearing Science	
MS, Speech-Language Pathology/PhD, Audiology	American Speech-Language-Hearing Association (ASHA)
Department of Psychology	
PhD, Psychology (with concentration in Clinical Psychology)	American Psychology Association (APA)
School of Letters and Sciences (D)	
PhD in Counseling Psychology MC, Counseling	American Psychology Association (APA) Council for Accreditation of Counseling and Related Educational Programs (CACREP)
School of Geographical Sciences and Urban Planning	
BS, Planning MUEP, Urban and Environmental Planning	Planning Accreditation Board (PAB)
College of Nursing and Health Innovation (D)	
PhD, BSN, MS, Nursing; Master of Healthcare Innovation	Arizona State Board of Nursing/Commission of Collegiate Nursing Education (CCNE)
B.A.S., Medical Laboratory Science	National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)
BS, Nutrition (didactic program in dietetics) MS, Nutrition (dietetic Internship)	American Dietetic Association (ADA)
College of Public Programs (D)	
School of Community Resources and Development	Council on Accreditation for, Parks, Recreation, Tourism and Related Professions COAPRT)

ACCREDITED PROGRAMS	ACCREDITING AGENCIES
BS, Parks and Recreation Management	
School of Public Affairs (D)	
MPA, Public Administration	National Association of Schools of Public Affairs and Administration (NASPAA)
School of Social Work (D)	
BSW, MSW Social Work	Council of Social Work Education (CSWE)
Herberger Institute of Design and the Arts (T)	
The Design School	
BSD, Interior Design	Council for Interior Design Accreditation (CIDA)
BSD, Graphic Design, Industrial Design MSD, Design (with concentrations in Industrial Design, Interior Design and Visual Communication) Ph.D. Environmental Design and Planning	National Association of Schools of Art and Design (NASAD)
School of Architecture and Landscape Architecture	
MLA, BSLA, Landscape Architecture	Landscape Architectural Accreditation Board (LAAB)
MArch, Architecture	National Architectural Accrediting Board (NAAB)
School of Music	National Association of Schools of Music (NASM)
Ira A. Fulton Schools of Engineering (T)	
BS, Computer Science	Computing Accreditation Commission/Accreditation Board for Engineering and Technology, Inc. (ABET)
BS, Construction	American Council for Construction Education (ACCE)
BS, Aeronautical Management Technology	Aviation Accreditation Board International (AABI)

ACCREDITED PROGRAMS	ACCREDITING AGENCIES
BS, Air Traffic Management BS, Professional Flight	
BSE, Engineering	Engineering Accreditation Commission/Accreditation Board for Engineering and Technology, Inc. (EAC)
BSE, Aerospace Engineering BSE, Bioengineering BSE, Chemical Engineering BSE, Civil Engineering BSE, Computer Systems Engineering BSE, Electrical Engineering BSE, Industrial Engineering BSE, Materials Science and Engineering BSE, Mechanical Engineering	Engineering Accreditation Commission/Accreditation Board for Engineering and Technology, Inc. (ABET)
Mary Lou Fulton Teachers College (T)	
PhD, Educational Psychology (with a concentration in School Psychology)	American Psychological Association (APA)
Sandra Day O'Connor College of Law (T)	
JD, Law	American Bar Association (ABA)
Walter Cronkite School of Journalism and Mass Communication (D)	
All Programs	Accrediting Council on Education in Journalism and Mass Communications (ACEJMC)
W. P. Carey School of Business (T)	
All Programs	The Association to Advance Collegiate Schools of Business (AACSB International)
School of Accountancy	The Association to Advance Collegiate Schools of Business (AACSB International)

ACCREDITED PROGRAMS	ACCREDITING AGENCIES
School of Health Management and Policy	Commission on Education for Health Services Administration (CAHME)

Source URL: <http://accreditation.asu.edu/programs-specialized-accreditation>

Academic Calendar

ASU regularly offers classes in the fall, spring and summer terms with the following components:

Fall/Spring Session A: first 7.5 week session

Fall/Spring Session B: second 7.5 week session

Fall/Spring Session C: full semester (15 weeks plus final exams)

Summer Session A: first 6-week session

Summer Session B: second 6-week session

Summer Session C: 8 week session

If a class is scheduled in a session other than Session A, B or C, the drop/add/withdrawal deadlines are prorated based on the length of the class. Check the calendar icon  next to each class on your schedule in My ASU [1] for the prorated deadline dates.

All dates are subject to change without notice.

Summer 2014

Session A: (1st 6 Week Session) Monday, 5/19/2014 – Friday, 6/27/2014 Session B: (2nd 6 Week Session) Wednesday, 7/2/2014 – Tuesday, 8/12/2014 Session C: (8 Week Session) Monday, 5/19/2014 – Friday, 7/11/2014			
Schedule of Classes Available [7]	February 11, 2014		
Registration Begins [8]	February 12, 2014		
Suggested Postmark to Meet Tuition/Fee Payment Deadline	April 24, 2014		
Tuition/Fee Payment Deadline - [9] For registration through May 4, 2014, for non financial aid students and students who have not accepted any financial aid awards for the semester. For students with accepted financial aid, no payment is due on this date. The due date for Tuition charges for students registering through May 4 with accepted financial aid is extended to June 25, 2014. For more information, please see Tuition and Deadlines [10].	May 8, 2014		
\$50.00 Late Registration Fee Begins [11] (does not apply to ASU Online students)	Session A May 11, 2014	Session B June 24, 2014	Session C May 11, 2014
Classes Begin	Session A May 19, 2014	Session B July 2, 2014	Session C May 19, 2014
Last day to register or drop/add without college approval [12]	Session A May 20, 2014	Session B July 3, 2014	Session C May 20, 2014
Residency Classification Petition Deadline [13]	May 20, 2014		
Tuition & Fees 100% Refund Deadline – For more information see Tuition and Refund Policy [14]	Session A May 23, 2014	Session B July 6, 2014	Session C May 23, 2014
Memorial Day Observed - University Closed	May 26, 2014		
Course Withdrawal Deadline [15]	Session A June 6, 2014	Session B July 22, 2014	Session C June 6, 2014
Deadline to Apply for Graduation [16]	June 16, 2014		
Tuition/Fee Payment Deadline - [9] For registration from May 5 through June 8 and for financial aid students with sufficient aid to pay all tuition charges. For more information see Tuition and Deadlines [10]	June 25, 2014		

Session A: (1st 6 Week Session) Monday, 5/19/2014 – Friday, 6/27/2014 Session B: (2nd 6 Week Session) Wednesday, 7/2/2014 – Tuesday, 8/12/2014 Session C: (8 Week Session) Monday, 5/19/2014 – Friday, 7/11/2014			
Independence Day Observed - University Closed	July 4, 2014		
Complete Session Withdrawal Deadline [17]	Session A June 27, 2014	Session B August 12, 2014	Session C July 11, 2014
Classes End/ Last Day to Process Transactions	Session A June 27, 2014	Session B August 12, 2014	Session C July 11, 2014
Final Grades Due	Session A June 29, 2014	Session B August 14, 2014	Session C July 13, 2014
Tuition/Fee Payment Deadline - [9] For registration from June 9 to July 18. For more information see Tuition and Deadlines [10]	July 25, 2014		
Degree Conferral Date	August 12, 2014		
Grade Replacement Processing	August 15, 2014		

Fall 2014

Session A: (7.5 Weeks) Thursday, 8/21/2014 – Friday, 10/10/2014 Session B: (7.5 Weeks) Wednesday, 10/15/2014 – Friday, 12/5/2014 Session C: (15 Weeks) Thursday, 8/21/2014 – Friday, 12/5/2014 (Final Exams 12/08/2014 – 12/13/2014)			
Schedule of Classes Available [7]	February 24, 2014		
Registration and Tuition Guide Available [18]	February 24, 2014		
Registration Dates Begin [8]	February 27, 2014		
Suggested Postmark to Meet Tuition/Fee Payment Deadline	August 11, 2014		
\$50.00 Late Registration Fee Begins [11] (does not apply to ASU Online students)	Session A August 13, 2014	Session B October 7, 2014	Session C August 13, 2014
Tuition Fee Payment Deadline [9] – For registration from February 24 through August 18. For more information see Tuition and Deadlines [10]	August 25, 2014		
Classes Begin	Session A August 21, 2014	Session B October 15, 2014	Session C August 21, 2014
Extended Hours (Registration Sites Only) Open until 6pm	August 18, 20, 21, 25 & 26, 2014		
Last day to register or drop/add without college approval [12]	Session A August 22, 2014	Session B October 16, 2014	Session C August 27, 2014
Residency Classification Petition Deadline [13]	August 27, 2014		
Labor Day Holiday Observed - University Closed	September 1, 2014		
Tuition & Fees 100% Refund Deadline – For more information see Tuition and Refund Policy [14]	Session A August 27, 2014	Session B October 21, 2014	Session C September 3, 2014
University 21st Day	Session A September 10, 2014	Session B November 4, 2014	Session C September 10, 2014

Session A: (7.5 Weeks) Thursday, 8/21/2014 – Friday, 10/10/2014			
Session B: (7.5 Weeks) Wednesday, 10/15/2014 – Friday, 12/5/2014			
Session C: (15 Weeks) Thursday, 8/21/2014 – Friday, 12/5/2014 (Final Exams 12/08/2014 – 12/13/2014)			
Tuition Fee Payment Deadline [9] – For registration from August 19 through September 18. For more information see Tuition and Deadlines [10]	September 25, 2014		
Deadline to Apply for Graduation [16]	October 1, 2014		
Academic Status Report #1 [19] - Students can view ASRs in My ASU within 24 hours after the last reporting day.	Session A Sept 3-5, 2014	Session B October 27-29, 2014	Session C Sept 29-Oct 7, 2014
Fall Break – Classes Excused	October 11 - 14, 2014		
Tuition Fee Payment Deadline [9] – For registration from September 19 to October 18. For more information see Tuition and Deadlines [10]	October 25, 2014		
Academic Status Report #2 [19] - Students can view ASRs in My ASU within 24 hours after the last reporting day.	Session A N/A	Session B N/A	Session C Oct 27-Nov 3, 2014
Course Withdrawal Deadline [12]	Session A September 10, 2014	Session B November 4, 2014	Session C November 5, 2014
Veteran's Day Observed - University Closed	November 11, 2014		
Thanksgiving Observed - University Closed	November 27 - 28, 2014		
Complete Session Withdrawal Deadline [17] As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to contact their college/school to facilitate the withdrawal process. For more information click here. [20]	Session A October 10, 2014	Session B December 5, 2014	Session C December 5, 2014
Classes End/ Last Day to Process Transactions	Session A October 10, 2014	Session B December 5, 2014	Session C December 5, 2014
Study Days	Session A N/A	Session B N/A	Session C December 6-7, 2014
Final Exams [21]	Session A Last day of classes	Session B Last day of classes	Session C December 8-13, 2014
Final Grades Due	Session A October 13, 2014	Session B Dec 8-15, 2014	Session C Dec 8-15, 2014
Commencement Ceremony [22] (Graduate and Undergraduate)	December 15, 2014		
Degree Conferral Date	December 15, 2014		
Grade Replacement/Academic Standing Processing	December 16-17, 2014		
Holiday Break - University Closed	December 25 - 26, 2014		

Spring 2015

Session A: (7.5 Weeks) Monday, 1/12/2015 – Tuesday, 3/3/2015	
Session B: (7.5 Weeks) Monday, 3/16/2015 – Friday, 5/1/2015	
Session C: (15 Weeks) Monday, 1/12/2015 – Friday, 5/1/2015 (Final Exams 5/4/2015 – 5/09/2015)	
Schedule of Classes Available [7]	October 23, 2014

Session A: (7.5 Weeks) Monday, 1/12/2015 – Tuesday, 3/3/2015 Session B: (7.5 Weeks) Monday, 3/16/2015 – Friday, 5/1/2015 Session C: (15 Weeks) Monday, 1/12/2015 – Friday, 5/1/2015 (Final Exams 5/4/2015 – 5/09/2015)			
Registration and Tuition Guide Available [18]	October 23, 2014		
Registration Dates Begin [8]	October 27, 2014		
Suggested Postmark to Meet Tuition/Fee Payment Deadline	TBD		
\$50.00 Late Registration Fee Begins [11] (does not apply to ASU Online students)	TBD		
Tuition Fee Payment Deadline [9] – For registration from TBD through TBD for non financial aid students and students who have not accepted any financial aid awards for the semester. For students with accepted financial aid, no payment is due on this date. For more information see Tuition and Deadlines[10]	TBD		
Classes Begin	Session A January 12, 2015	Session B March 16, 2015	Session C January 12, 2015
Last day to register or drop/add without college approval [12]	Session A January 13, 2015	Session B March 17, 2015	Session C January 18, 2015
Residency Classification Petition Deadline [13]	January 16, 2015		
Tuition & Fees 100% Refund Deadline – For more information see Tuition and Refund Policy [14]	Session A TBD	Session B TBD	Session C TBD
Martin Luther King Jr. Holiday Observed – University Closed	January 19, 2015		
University 21st Day	Session A February 2, 2015	Session B April 6, 2015	Session C February 2, 2015
Academic Status Report #1 [19] - Students can view ASRs in My ASU within 24 hours after the last reporting day.	Session A January 23 - 27, 2015	Session B March 26 - 30, 2015	Session C February 9 - 16, 2015
Deadline to Apply for Graduation [16]	February 16, 2015		
Spring Break – Classes Excused	March 8-15, 2015		
Academic Status Report #2 [19] - Students can view ASRs in My ASU within 24 hours after the last reporting day.	Session A N/A	Session B N/A	Session C March 23 - 30, 2015
Course Withdrawal Deadline [12]	Session A January 30, 2015	Session B April 3, 2015	Session C April 5, 2015
Complete Session Withdrawal Deadline [17] As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to contact their college/school to facilitate the withdrawal process. For more information click here. [20]	Session A March 3, 2015	Session B May 1, 2015	Session C May 1, 2015
Classes End/ Last Day to Process Transactions	Session A March 3, 2015	Session B May 1, 2015	Session C May 1, 2015
Study Days	Session A N/A	Session B N/A	Session C May 2-3,

Session A: (7.5 Weeks) Monday, 1/12/2015 – Tuesday, 3/3/2015			
Session B: (7.5 Weeks) Monday, 3/16/2015 – Friday, 5/1/2015			
Session C: (15 Weeks) Monday, 1/12/2015 – Friday, 5/1/2015 (Final Exams 5/4/2015 – 5/09/2015)			
			2015
Final Exams [21]	Session A Last day of classes	Session B Last day of classes	Session C May 4 - 9, 2015
Final Grades Due	Session A March 6, 2015	Session B May 4 - 11, 2015	Session C May 4 - 11, 2015
Commencement [23] - (Graduate and Undergraduate)	May 11, 2015		
Degree Conferral Date	May 11, 2015		
Grade Replacement/Academic Standing Processing	May 12 - 13, 2015		

Page last updated: 7/29/2014

Source URL: <https://students.asu.edu/academic-calendar>

Links:

- [1] <https://my.asu.edu/>
- [7] <https://webapp4.asu.edu/catalog/>
- [8] <https://students.asu.edu/registration>
- [9] <https://students.asu.edu/tuitiondeadlines>
- [10] <http://students.asu.edu/tuitiondeadlines>
- [11] <https://students.asu.edu/tuitiondescriptions>
- [12] <https://students.asu.edu/drop-add>
- [13] <https://students.asu.edu/residency>
- [14] <http://students.asu.edu/tuitionrefundpolicy>
- [15] <https://students.asu.edu/withdrawal>
- [16] <https://students.asu.edu/graduation>
- [17] <https://students.asu.edu/drop-add#comp%20wd>
- [18] <https://students.asu.edu/registration-tuitionpayment-guide>
- [19] <http://asu.force.com/kb/articles/FAQ/What-is-an-Academic-Status-Report>
- [20] <http://students.asu.edu/forms/withdrawal>
- [21] <https://students.asu.edu/final-exam-schedule#Spring>
- [22] <https://graduation.asu.edu/>
- [23] <http://graduation.asu.edu/>

Tuition and Fees

Tuition Commitment

Undergraduate Resident Tuition

Arizona State University is committed to providing undergraduate resident students with reasonable tuition rates while they earn their degree. Degree-seeking undergraduate students are automatically assigned to a tuition cohort [1] upon admission or readmission and do not need to take any action to benefit from the commitment tuition rate.

The commitment tuition rate [1] applicable to each tuition cohort is initially equal to the approved tuition rate [1] at the time of admission or readmission. Any future increases in tuition will be based off of this rate until the tuition commitment period [1] expires. Undergraduate resident students not eligible for the commitment tuition rate include non-degree seeking students,

students enrolled in six or fewer credit hours, and students whose commitment period has expired. Ineligible students will pay the most recently approved tuition rate.

- Commitment Tuition Rate [2]
- Commitment Period [3]
- Commitment Tuition Rate Definitions [4]
- Commitment Tuition Rate FAQs [5]

Note: Continuation of the commitment tuition rate assumes no unusual levels of inflation and no substantial change in the levels of state support. Tuition and fee information provided here or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

Source URL: <https://students.asu.edu/tuitioncommitment>

Links:

[1] <https://dev-students6-archive.ws.asu.edu/node/2282>

[2] <https://students.asu.edu/tuitioncommitment/rate>

[3] <https://students.asu.edu/tuitioncommitment/period>

[4] <https://students.asu.edu/tuitioncommitment/definitions>

[5] <https://students.asu.edu/tuitioncommitment/faqs>

Commitment Period

Undergraduate Resident Tuition

The commitment period [1] is determined at the time of admission or readmission. The commitment period is five years for degree seeking undergraduate students admitted as freshmen. The commitment period for undergraduate students classified as other than freshmen is prorated based upon credit hours earned prior to the semester of admission. All prior earned credits [1] are included in this determination regardless of whether the hours are applicable to a student's program of study. The commitment period will be retroactively modified and tuition charges adjusted if prior earned credits are reported subsequent to admission.

Commitment Period

Degree Seeking Undergraduate Residents

Prior Earned Credits	Academic Level upon Admission	Commitment Period
Up to 24	Freshman	5 Year
25 to 55	Sophomore	4 Year
56 to 86	Junior	3 Year
87 and Above	Senior	2 Year

Expiration of Commitment Period

The commitment period ends upon the earlier of the expiration of the commitment period determined at the time of admission, upon graduation, or upon application for admission or readmission. The commitment period is not carried over for students who

graduate or leave prior to expiration of the commitment period determined at the time of admission. Upon expiration of the commitment period students revert to paying the most recently approved tuition rate.

Residency Status

The commitment tuition rate is applicable to undergraduate students classified as residents for tuition purposes. If an undergraduate student is reclassified from nonresident to resident for tuition purposes, the commitment period and commitment tuition rate are determined based upon the original semester of admission as a nonresident student. For example, a student admitted as a nonresident freshman fall 2011 and reclassified as a resident fall 2013 is eligible for a three-year commitment beginning in fall 2013 and will be classified in the fall 2011 tuition cohort. A sophomore transfer student admitted as a nonresident fall 2011 and reclassified as a resident fall 2013 is eligible for a two-year commitment period beginning fall 2013 and will be classified in the fall 2011 tuition cohort.

Maricopa-ASU Pathways Program (MAPP)

Students admitted to ASU as resident degree-seeking students in accordance with the Maricopa-ASU Pathways Program (MAPP) are eligible for the ASU tuition commitment. The commitment period is five years from the time of acceptance in a MAPP program, if at the time of admission to ASU the student is in compliance with the MAPP requirements. For example, a student accepted in a MAPP program fall 2011 who transfers to ASU fall 2013 is eligible for the fall 2011 tuition commitment rate for three years, i.e. fall 2013 until spring 2016. Upon expiration of the commitment period students revert to paying the most recently approved tuition rate. Note: Students admitted to ASU in accordance with transfer protocols other than MAPP will be billed for tuition in accordance with the policies applicable to transfer students.

Non-degree Students

Students admitted as undergraduate non-degree seeking are not assigned to a tuition cohort or a commitment period. Non-degree seeking undergraduate resident students pay the most recently approved tuition rate and are subject to all future tuition increases.

Second Undergraduate Degree

The commitment period for a student who previously earned one or more undergraduate degrees will be determined at the time of admission or readmission based upon prior earned credits.

Concurrent Degrees

The commitment period is not extended for students working on two or more degrees concurrently.

Part-time Enrollments

The commitment period determined at the time of admission or readmission is not extended for part-time enrollment. Undergraduate degree seeking resident students enrolled in six or fewer credit hours are billed the most recently approved part-time rate.

Breaks in Enrollment

The commitment period determined at the time of admission or readmission will not be extended due to breaks in enrollment for any reason, including military service, illness, or church mission. Students must apply for a Leave of Absence to maintain their original semester of admission for purposes of assignment to a tuition cohort and determination of the commitment tuition rate upon their return, but the commitment period is not extended by the Leave of Absence. The commitment tuition rate will continue to increase during the Leave of Absence. For example, a student admitted as a freshman fall 2011 who takes a leave of absence for fall 2012 and spring 2013, returning fall 2013, is eligible for the remaining three-year commitment period and remains classified in the fall 2011 tuition cohort.

The commitment period for students required to apply for readmission will be determined based upon the new semester of admission and prior earned credits. For example, a student admitted as a freshman fall 2011 completes 30 credit hours, but does not attend fall 2012 or spring 2013 and does not take a Leave of Absence. Upon application for readmission fall 2013 the student is classified as a sophomore eligible for a four year commitment period, is classified in the fall 2013 tuition cohort, and the commitment tuition rate is based upon the tuition rate approved for fall 2013.

Source URL: <https://students.asu.edu/tuitioncommitment/period>

Links:

[1] <https://students.asu.edu/node/2282>

Commitment Tuition Rate

Undergraduate Resident Tuition

The commitment tuition rate [1] applicable to each tuition cohort [1] is initially equal to the approved tuition rate at the time of admission or readmission. Any future increases in tuition will be based off of this rate until the tuition commitment period [1] expires. Undergraduate degree seeking resident students are automatically assigned to a tuition cohort upon admission or readmission and do not need to take any action to benefit from the commitment tuition rate.

Degree-Seeking

The commitment tuition rate applies to undergraduate degree seeking resident students. Undergraduate resident students not seeking a degree will pay the most recently approved tuition rate and are subject to all future tuition increases.

Tuition Commitment Enrollment Requirement

The commitment tuition rate applies for fall/spring semesters during the commitment period in which enrollment exceeds six credit hours or 11 credit hours for students at the Lake Havasu campus. Undergraduate degree seeking resident students enrolled in six or fewer credit hours are billed the most recently approved tuition rate. The commitment period is not extended for part-time enrollment.

Residency Status

The commitment tuition rate is applicable to undergraduate students classified as residents for tuition purposes. If an undergraduate student is reclassified from nonresident to resident for tuition purposes, the commitment tuition rate and commitment period are determined based upon the original semester of admission as a nonresident student.

Community College Transfer Students in Pathway Programs

Students may be eligible for the commitment tuition rate if they are:

- Admitted to ASU as a resident, degree-seeking student, *and*;
- Enrolled in one of these partnership programs:
 - o Maricopa-ASU Pathways Program (MAPP)
 - o Transfer Admission Guarantee (TAG), or;
 - o RN-BSN pathway program

The commitment tuition rate is based on the semester the student enrolls for one of these pathway programs, if at the time of admission to ASU the student is in compliance with the pathway requirements. Upon expiration of the commitment period, students revert to paying the most recently approved tuition rate. The commitment ends upon the earlier of these circumstances: (1) expiration of the five-year commitment period determined at the time of pathway enrollment, up to a maximum of three years from initial enrollment at ASU, (2) upon graduation from ASU, or (3) withdrawal from the university. **Note:** Students admitted to ASU in accordance with transfer protocols other than these pathway programs will be billed for tuition in accordance with the policies applicable to transfer students.

Readmission

The commitment tuition rate is based upon the most recent semester of undergraduate degree admission or readmission. Students required to apply for readmission are assigned to a new tuition cohort and are billed for the commitment tuition rate applicable for the new cohort. The commitment tuition rate associated with the original semester of admission is not maintained under any circumstances, including military service, illness, or church mission, unless an official Leave of Absence is granted by the University Registrar's Office. Students must apply for a Leave of Absence to maintain their original semester of admission for purposes of assignment to a tuition cohort and determination of the commitment tuition rate. The commitment period is not extended by the Leave of Absence and the commitment tuition rate continues to increase.

Expiration of Commitment Period

Upon expiration of the commitment period students revert to paying the most recently approved tuition rate. The commitment period ends upon the earlier of the expiration of the commitment period determined at the time of admission, upon graduation, or upon application for admission or readmission.

Students Admitted Prior to Summer 2008

For undergraduate degree seeking resident students admitted prior to summer 2008 the commitment tuition rate is based upon fall

2007 tuition regardless of semester of admission. This initial tuition commitment tuition rate will remain intact during the commitment period, and any increases in tuition will be based off this rate. Starting in fall 2009, the remaining commitment period [1] will be determined based upon the most recent semester of undergraduate degree admission or readmission and prior earned credits at the time of admission. For example, a student admitted as a sophomore fall 2006 is eligible for a remaining commitment of one year in fall 2009. Beginning in fall 2010, because the commitment period has expired, the student admitted as a sophomore in fall 2006 will pay the most recently approved tuition rate.

Differential Tuition, Program Tuition and Other Fees

The commitment tuition rate only applies to base undergraduate resident tuition. The tuition commitment does not apply to differential tuition, program tuition, mandatory registration fees, or any other charges assessed by ASU.

Summer Session Tuition

The commitment tuition rate is not applicable for summer registration. All students are billed at the same rate, which is equal to the most recently approved per credit hour rate.

Special Nonresident Tuition Rates

Students eligible for special nonresident tuition rates that are based upon resident tuition are not eligible for the commitment tuition rate. Nonresident students eligible for special tuition rates will be billed based upon the most recently approved tuition rate and are subject to all future tuition increases.

Note: Continuation of the commitment tuition rate assumes no unusual levels of inflation and no substantial change in the levels of state support. Tuition and fee information provided here or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

Source URL: <https://students.asu.edu/tuition/commitment>

Links:

[1] <https://students.asu.edu/node/2282>

Commitment Tuition Rate Definitions

Undergraduate Resident Tuition

Approved Tuition Rate: Undergraduate resident tuition rate approved for each tuition cohort. Non-degree seeking students, students enrolled in six or fewer credit hours, and students whose commitment period has expired will also pay the most recently approved tuition rate.

Commitment Tuition Rate: Full-time undergraduate resident tuition rate applicable to each tuition cohort, based on the approved per credit hour tuition rate at the time of admission or readmission. Increases in tuition will be based off of the initial tuition rate until the commitment period expires. Full-time undergraduate resident tuition is assessed for enrollment in more than six credit hours during the fall/spring semester.

Commitment Period: Period of up to five years, as determined by academic level upon admission or readmission and prorated based upon prior earned credits.

Prior Earned Credits: All credit hours earned prior to semester of admission. Includes hours earned at ASU, other institutions, through testing, or by any other means.

Tuition Cohort: All undergraduate degree-seeking students admitted or readmitted for a given fall semester. Students admitted during the preceding summer semester and the following winter session or spring semester are assigned to the fall semester tuition cohort. If students are admitted to multiple programs, the admit semester of the student's active primary academic program will determine the tuition cohort.

Note: Continuation of the commitment tuition rate assumes no unusual levels of inflation and no substantial change in the levels of state support. Tuition and fee information provided here or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

Source URL: <https://students.asu.edu/tuitioncommitment/definitions>

Residency for Tuition Purposes

In Arizona, as in all other states, tuition at publicly supported universities are lower for residents than non-residents. Residency classification is determined for all students in accordance to guidelines provided by the Arizona Board of Regents' (ABOR) [1], which reflect current Arizona revised statutes [2]. Students that are classified as non-residents can request reclassification and must support their request with documentation that shows compliance with ABOR policy and current state law.

Requesting Residency Classification

Please complete the following steps to request residency classification.

1. Review the residency guidelines [3], frequently asked questions [4] and general information [5].
2. Complete your request using the residency reclassification application [6].
3. Submit all required documentation [7] to the Residency Classification Office.
4. View the status of your request from the residency reclassification application [6].
5. Review your decision. If denied, you can request a residency appeal [8].

Only current, active students are eligible to request residency reclassification applicants must be admitted to ASU before a petition/verification can be submitted.

Students are expected to read and understand all requirements related to residency for tuition purposes and it is the student's responsibility to be in compliance with all residency requirements, including applicable state laws. Lack of knowledge or incorrect assumptions about residency will not excuse the requirement to be familiar with the policies and procedures listed herein.

Petition Deadlines

Semester	Petition Deadline	Priority Deadline ¹
Summer 2014 ²	May 20, 2014	April 18, 2014
Fall 2014	August 27, 2014	June 20, 2014
Spring 2015	TBD	TBD

¹ Petitions submitted (and fully completed) before the priority deadline will be evaluated prior to the first day of classes. Petitions submitted after this date will be reviewed in the order in which they are received and may not be evaluated until after classes begin.

² Summer petitions are only evaluated for students registered for summer classes.

You will not be permitted to submit a request for reclassification after the posted deadline. Per ABOR policy, failure to submit a request for reclassification by the deadline constitutes a waiver of your right to petition for that term. Late requests cannot be accepted and there is no option to appeal a petition submitted after the deadline.

Appeal Deadlines

If denied, your denial letter will include an appeal deadline. However, to ensure that your appeal is heard as soon as possible, your request for a hearing should be made not later than 10 days after your decision is rendered. See residency appeals [8] for additional information.

Information regarding residency classification, including the content on these pages, is subject to change without notice. Direct all questions to Residency Classification at 480-965-7712 or email residency@asu.edu [9].

Information regarding residency classification is subject to change without notice.

Source URL: <https://students.asu.edu/residency>

Links:

- [1] <http://www.azregents.edu/policymanual/default.aspx>
- [2] <http://www.azleg.gov/ArizonaRevisedStatutes.asp?Title=15>
- [3] https://students.asu.edu/residency_classification_guidelines
- [4] <https://students.asu.edu/faq/156>
- [5] <https://students.asu.edu/residency-reclassification>
- [6] <https://www.asu.edu/go/residencypetition>
- [7] <https://students.asu.edu/node/16827>
- [8] <https://students.asu.edu/residencyappeals>
- [9] <mailto:residency@asu.edu>

Tuition and Fee Descriptions

ASU tuition and fees are approved annually by the Arizona Board of Regents. In addition to resident and nonresident tuition, commonly billed tuition and fees include:

Differential Tuition and Program Tuition

Certain colleges and programs assess additional differential and program tuition as approved by the Arizona Board of Regents. Visit the Tuition and Fees Schedules [1] for college and program specific tuition and fees.

Excess Hours Tuition

The Arizona Legislature enacted legislation in 2005 (A.R.S. § 15-1626) that establishes credit hour thresholds for undergraduate students who attend a public university in Arizona. Undergraduate students who enroll for credit hours beyond the applicable threshold are required to pay an Excess Hours Tuition Surcharge [2]. Students who have more than 145 credit hours will be assessed the Undergraduate Excess Hours Tuition Surcharge.

Special Class, Hybrid & iCourse Fees

Special Class, Hybrid and iCourse fees are assessed based on enrollment in specific classes. These fees are published with each class through Class Search [3].

Technology Fee

The technology fee funds technology initiatives including expanding ASU's wireless network on all of its campuses, increasing the number of technology-enabled classrooms, developing a system to allow students to access University-licensed software, reducing dependence on computing labs and expanding and improving online self-service environment. All students are assessed this mandatory technology fee as authorized by the Arizona Board of Regents.

Late Registration Fee

All students who register beginning the week before the first day of the semester will be assessed a late registration fee of \$50.00, with the exception of students enrolling only in late start sessions. Students enrolling exclusively in late start sessions, will be assessed the late registration fee beginning one week before the session start date. Please see Tuition Deadlines [4] for specific

dates. Registration after the published deadline may be permitted under extraordinary circumstances if approved by an authorized College designee. Late fees are not refundable.

Recreation Fee

All students are assessed a recreation fee allowing access to recreation facilities on all four ASU Campuses. For more information, please visit Campus Recreation [5]. Faculty/staff who are also students are not assessed a recreation center fee with their other registration fees, but may pay an optional fee at faculty/staff rates.

Student Service Facility Fee

The Student Service Facility Fee is a mandatory fee authorized by the Arizona Board of Regents to be charged to all students. This fee will allow for the enhancements of existing facilities and the planning and development of new student service facilities to meet the needs of the growing student population.

Student Programs Fee

All students are assessed a mandatory program facility fee as authorized by the Arizona Board of Regents to provide funding for new or enhanced facilities and student support programming.

Health and Wellness Fee

All students are assessed a Health and Wellness Fee as authorized by the Arizona Board of Regents to enhance services for students who seek both preventive and acute care and to expand outreach and wellness education and services.

Student Athletic Fee

The Student Athletic Fee will fund reinvestment in academic support areas, strengthen undergraduate and graduate academic experiences, and enhance student engagement in athletics, including access to Sun Devil Athletics sporting events and enhanced game day experiences in Sun Devil Stadium, Wells Fargo Arena and other athletic venues. This fee was initiated and supported by Undergraduate Student Government and the Graduate and Professional Student Assembly.

Financial Aid Trust Fee

Student Financial Aid Trust grants are assistance provided in partnership between ASU students and the state legislature. All students are assessed a mandatory financial aid trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund, from which Financial Aid Trust Grants are awarded under the usual aid eligibility criteria. Fees collected from students are matched by the State of Arizona. For more information, please visit the Financial Aid Trust Grant [6] website.

Source URL: <https://students.asu.edu/tuitiondescriptions>

Links:

- [1] <http://www.asu.edu/admissions/tuitionandfees/>
- [2] <https://students.asu.edu/tuitionsurcharge>
- [3] <https://www.asu.edu/go/classsearch/>
- [4] <https://students.asu.edu/tuitiondeadlines>
- [5] <http://src.asu.edu/>
- [6] <https://students.asu.edu/grants/trust>

Tuition Refund Policy

Students are required to pay all tuition and fees for any registered course unless enrollment is officially cancelled during the 100% refund period. Tuition and fees are nonrefundable after the 100% refund period. All refunds are less any amounts owed to the university and are subject to payment holding periods.

Withdrawal or cancellation occurs on the calendar day that withdrawal is requested either Online or in person at a Registrar site. By registering for classes students agree to pay all applicable tuition and registration fees. The university provides a prorated refund for students receiving financial aid; therefore, the refund schedule is the minimum amount refundable to these students.

Fall and Spring Semester Classes

The 100% refund period extends through the first two weeks of the semester for regular semester classes (Session C) and sessions eight weeks or longer. The 100% refund period is one week for sessions shorter than eight weeks (Sessions A & B) and for dynamically dated classes. For classes that begin prior to the first day of the regular semester, the applicable 100% refund period

begins on the class start date not the semester start date. Students are required to pay tuition and fees owed for enrollment cancellations that occur after the refund period.

Summer Session Classes

The 100% refund period is the first five days of the applicable summer session (Sessions A, B and C.) Students are required to pay tuition and fees owed for enrollment cancellations that occur after the refund period.

Medical or Compassionate Withdrawals

Students withdrawing for medical circumstances or other extenuating circumstances must contact their college to initiate the process. Approved medical or compassionate withdrawals [1] are eligible for up to an 80% refund of tuition if approved within two years of the end of the semester. No tuition refund is provided thereafter.

For specific semester or session deadlines, please refer to Tuition Dates and Deadlines [2].

Source URL: <https://students.asu.edu/tuitionrefundpolicy>

Links:

[1] <https://students.asu.edu/forms/medical-compassionate-withdrawal-request>

[2] <https://students.asu.edu/tuitiondeadlines>

Tuition and Fees Schedules

To view current year tuition and fees, please visit the Tuition and Cost Calculator [1].

To view historical information about tuition and fees, please visit Tuition and Fees Schedule [2].

NOTE: All amounts shown in the Tuition and Fees Schedules or in other university publications or Web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with board policy, and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

Tuition charges will be billed on your student account and may be viewed online through My ASU [3] after registration. See Billing [4] for information on how to pay your tuition and fees.

ASU [5] Payment Plan: If tuition is not paid by the applicable tuition due date, or financial aid is not awarded and accepted by the due date, you will be automatically enrolled in the ASU Payment Plan and charged a nonrefundable enrollment fee.

Thinking of Leaving ASU? By registering for classes, you agree to pay all applicable tuition and registration fees. If you plan to leave the university, you must officially withdraw to cancel registration before the refund deadline. Refund deadlines are available on the Important [6] Dates [6] calendar. Please ensure that you have dropped or withdrawn from all classes during the 100 percent refund period or you will be responsible for the tuition charges. See the Tuition Refund Policy [7].

IRS Form 1098-T

Arizona State University prepares an IRS form 1098-T, Tuition Tax Statement each calendar year. IRS form 1098-T reports amounts billed to you for qualified tuition and may assist you in the preparation of your tax return with regards to education tax benefits you may be eligible to claim. Read more about the IRS form 1098-T [8].

Source URL: <https://students.asu.edu/tuitionandfees>

Links:

[1] <https://students.asu.edu/costs>

[2] <http://catalog.asu.edu/tuitionandfees>

[3] <http://my.asu.edu/>

[4] <https://students.asu.edu/tuitionandbilling>

[5] <https://students.asu.edu/tuitioninstallmentplan>

[6] <https://students.asu.edu/tuitiondeadlines>
 [7] <https://students.asu.edu/tuitionrefundpolicy>
 [8] <https://students.asu.edu/form1098t>

Per Semester Tuition And Fees

Fall 2014 – Spring 2015 Program Specific Tuition and Fees

NOTE: All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

Program Specific Tuition and Fees

Certain Graduate and Undergraduate programs charge program specific tuition. Use the ASU Tuition and Cost of Attendance Estimator (<https://students.asu.edu/financialaid/costs>) to review program specific tuition and fees.

General Tuition and Fees

Undergraduate Degree Programs: Downtown Phoenix Campus and Tempe Campus

RESIDENT Commitment Period Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$677	\$1,354	\$2,031	\$2,708	\$3,385	\$4,062	\$4,742
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$868	\$1,545	\$2,222	\$2,899	\$3,576	\$4,253	\$5,078

RESIDENT Admitted Summer 2010 Through Spring 2011 Commitment Period Not Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$677	\$1,354	\$2,031	\$2,708	\$3,385	\$4,062	\$4,652
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$868	\$1,545	\$2,222	\$2,899	\$3,576	\$4,253	\$4,988

RESIDENT Admitted Summer 2011 Through Spring 2012 Commitment Period Not Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$677	\$1,354	\$2,031	\$2,708	\$3,385	\$4,062	\$4,742
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$868	\$1,545	\$2,222	\$2,899	\$3,576	\$4,253	\$5,078

RESIDENT Admitted Summer 2012 Through Spring 2013 Commitment Period Not Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$677	\$1,354	\$2,031	\$2,708	\$3,385	\$4,062	\$4,742
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$868	\$1,545	\$2,222	\$2,899	\$3,576	\$4,253	\$5,078

RESIDENT Admitted Summer 2013 Through Spring 2015 Commitment Period Not Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$677	\$1,354	\$2,031	\$2,708	\$3,385	\$4,062	\$4,742
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$868	\$1,545	\$2,222	\$2,899	\$3,576	\$4,253	\$5,078

NON-RESIDENT	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
Non-Resident Undergraduate Tuition	\$993	\$1,986	\$2,979	\$3,972	\$4,965	\$5,958	\$6,951	\$7,944	\$8,937	\$9,930	\$10,923	\$11,915
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Athletics Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Programs Fee	12	12	12	12	12	12	25	25	25	25	25	25
Health & Wellness Fee	20	20	20	20	20	20	40	40	40	40	40	40
Financial Aid Trust	23	23	23	23	23	23	46	46	46	46	46	46
Recreation Fee	12	12	12	12	12	12	25	25	25	25	25	25
Total Undergraduate Non-Resident Tuition & Fees ⁽¹⁾ (2) (3) (4) (5)	\$1,184	\$2,177	\$3,170	\$4,163	\$5,156	\$6,149	\$7,287	\$8,280	\$9,273	\$10,266	\$11,259	\$12,251

*The ASU Tuition Commitment is that full-time undergraduate resident tuition will increase at a reasonable rate from the semester of admission or readmission. For more information about the Tuition Commitment and the Commitment Period please refer to students.asu.edu/tuitionandfees.

⁽¹⁾ Music Fees & Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.

⁽²⁾ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is \$135 per credit hour up to a maximum of \$945 for enrollment in 7 or more hours. For nonresident students the excess hours tuition is \$197 per credit hour up to a maximum of \$2,364 for enrollment in 12 or more credit hours. See students.asu.edu/tuitionandfees for additional information regarding the Undergraduate Excess Hours Tuition.

⁽³⁾ Students admitted to Barrett, the Honors College are assessed a \$500 honors fee each fall and spring semester in addition to the tuition and fees presented above.

⁽⁴⁾ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

⁽⁵⁾ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.

Undergraduate Degree Programs: Polytechnic Campus and West Campus

RESIDENT Commitment Period Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$677	\$1,354	\$2,031	\$2,708	\$3,385	\$4,062	\$4,742
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46

Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$868	\$1,545	\$2,222	\$2,899	\$3,576	\$4,253	\$5,078

RESIDENT Admitted Summer 2010 Through Spring 2011 Commitment Period Not Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$677	\$1,354	\$2,031	\$2,708	\$3,385	\$4,062	\$4,652
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$868	\$1,545	\$2,222	\$2,899	\$3,576	\$4,253	\$4,988

RESIDENT Admitted Summer 2011 Through Spring 2012 Commitment Period Not Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$677	\$1,354	\$2,031	\$2,708	\$3,385	\$4,062	\$4,742
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$868	\$1,545	\$2,222	\$2,899	\$3,576	\$4,253	\$5,078

RESIDENT Admitted Summer 2012 Through Spring 2013 Commitment Period Not Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$677	\$1,354	\$2,031	\$2,708	\$3,385	\$4,062	\$4,742
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$868	\$1,545	\$2,222	\$2,899	\$3,576	\$4,253	\$5,078

RESIDENT Admitted Summer 2013 Through Spring 2014 Commitment Period Not Expired*	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$677	\$1,354	\$2,031	\$2,708	\$3,385	\$4,062	\$4,742
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$868	\$1,545	\$2,222	\$2,899	\$3,576	\$4,253	\$5,078

NON-RESIDENT	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
Non-Resident Undergraduate Tuition	\$993	\$1,986	\$2,979	\$3,972	\$4,965	\$5,958	\$6,951	\$7,944	\$8,937	\$9,930	\$10,923	\$11,915
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Athletics Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Programs Fee	12	12	12	12	12	12	25	25	25	25	25	25
Health & Wellness Fee	20	20	20	20	20	20	40	40	40	40	40	40
Financial Aid Trust	23	23	23	23	23	23	46	46	46	46	46	46
Recreation Fee	12	12	12	12	12	12	25	25	25	25	25	25
Total Undergraduate Non-Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$1,184	\$2,177	\$3,170	\$4,163	\$5,156	\$6,149	\$7,287	\$8,280	\$9,273	\$10,266	\$11,259	\$12,251

*The ASU Tuition Commitment is that full-time undergraduate resident tuition will increase at a reasonable rate from the semester of admission or readmission. For more information about the Tuition Commitment and the Commitment Period please refer to students.asu.edu/tuitionandfees.

⁽¹⁾ Music Fees & Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.

⁽²⁾ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is \$135 per credit hour up to a maximum of \$945 for enrollment in 7 or more hours. For nonresident students the excess hours tuition is \$197 per credit hour up to a maximum of \$2,364 for enrollment in 12 or more credit hours. See students.asu.edu/tuitionandfees for additional information regarding the Undergraduate Excess Hours Tuition.

⁽³⁾ Students admitted to Barrett, the Honors College are assessed a \$500 honors fee each fall and spring semester in addition to the tuition and fees presented above.

⁽⁴⁾ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at

a future date.

⁽⁵⁾ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.

Undergraduate Nondegree Programs: All Campuses

RESIDENT	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$677	\$1,354	\$2,031	\$2,708	\$3,385	\$4,062	\$4,742
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$868	\$1,545	\$2,222	\$2,899	\$3,576	\$4,253	\$5,078

NON-RESIDENT	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
Non-Resident Undergraduate Tuition	\$993	\$1,986	\$2,979	\$3,972	\$4,965	\$5,958	\$6,951	\$7,944	\$8,937	\$9,930	\$10,923	\$11,915
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Athletics Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Programs Fee	12	12	12	12	12	12	25	25	25	25	25	25
Health & Wellness Fee	20	20	20	20	20	20	40	40	40	40	40	40
Financial Aid Trust	23	23	23	23	23	23	46	46	46	46	46	46
Recreation Fee	12	12	12	12	12	12	25	25	25	25	25	25
Total Undergraduate Non-Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$1,184	\$2,177	\$3,170	\$4,163	\$5,156	\$6,149	\$7,287	\$8,280	\$9,273	\$10,266	\$11,259	\$12,251

⁽¹⁾ Music Fees & Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.

⁽²⁾ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is \$135 per credit hour up to a maximum of \$945 for enrollment in 7 or more hours. For nonresident students the excess hours tuition is \$197 per credit hour up to a maximum of \$2,364 for enrollment in 12 or more credit hours. See students.asu.edu/tuitionandfees for additional information regarding the Undergraduate Excess Hours Tuition.

⁽³⁾ Students admitted to Barrett, the Honors College are assessed a \$500 honors fee each fall and spring semester in addition to the tuition and fees presented above.

⁽⁴⁾ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

⁽⁵⁾ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.

Undergraduate Degree Programs: Online

RESIDENT	ENROLLED HOURS																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Resident Undergraduate Online Tuition	\$480	\$960	\$1,440	\$1,920	\$2,400	\$2,880	\$3,360	\$3,840	\$4,320	\$4,800	\$5,280	\$5,760	\$6,240	\$6,720	\$7,200	\$7,680	\$8,160	\$8,640
Technology Fee ⁽⁴⁾	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Student Programs Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Student Service Facility Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Student Athletics Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health & Wellness Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Financial Aid Trust ⁽⁴⁾	23	23	23	23	23	23	46	46	46	46	46	46	46	46	46	46	46	46
Recreation Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Resident Undergraduate Online Tuition & Fees ^{(1) (2) (3) (4) (5) (6) (7) (8)}	\$553	\$1,033	\$1,513	\$1,993	\$2,473	\$2,953	\$3,456	\$3,936	\$4,416	\$4,896	\$5,376	\$5,856	\$6,336	\$6,816	\$7,296	\$7,776	\$8,256	\$8,736

NON-RESIDENT	ENROLLED HOURS																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Non-Resident Undergraduate Online Tuition	\$480	\$960	\$1,440	\$1,920	\$2,400	\$2,880	\$3,360	\$3,840	\$4,320	\$4,800	\$5,280	\$5,760	\$6,240	\$6,720	\$7,200	\$7,680	\$8,160	\$8,640
Technology Fee ⁽⁴⁾	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Student Programs Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Student Service Facility Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Student Athletics Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health & Wellness Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Financial Aid Trust ⁽⁴⁾	23	23	23	23	23	23	46	46	46	46	46	46	46	46	46	46	46	46
Recreation Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Non-Resident Undergraduate Online Tuition & Fees ^{(1) (2) (3) (4) (5) (6) (7) (8)}	\$553	\$1,033	\$1,513	\$1,993	\$2,473	\$2,953	\$3,456	\$3,936	\$4,416	\$4,896	\$5,376	\$5,856	\$6,336	\$6,816	\$7,296	\$7,776	\$8,256	\$8,736

⁽¹⁾ Students admitted to an Online campus program are not billed the student programs fee, student service facility fee, athletics fee, health and wellness fee, or recreation fee.

⁽²⁾ Online tuition is billed per credit hour with no cap. The rates presented above are per session and if more than 18 credit hours are taken in a session, tuition will be greater. To calculate the increase in tuition, add the tuition cost per hour for each additional hour taken to the tuition and fees total for 18 hours.

⁽³⁾ Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.

⁽⁴⁾ Mandatory fees are billed per session but are not to exceed the seven hour rate in a term.

⁽⁵⁾ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is \$135 per credit hour up to a maximum of \$945 for enrollment in 7 or more hours. For nonresident students the excess hours tuition is \$197 per credit hour up to a maximum of \$2,364 for enrollment in 12 or more credit hours. For more information about the Tuition Commitment and the Commitment Period please refer to students.asu.edu/tuitionandfees.

⁽⁶⁾ Students admitted to Barrett, the Honors College are assessed a \$500 honors fee each fall and spring semester in addition to the tuition and fees presented above.

⁽⁷⁾ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

⁽⁸⁾ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.

Undergraduate Degree Programs: ASU Colleges at Lake Havasu City

RESIDENT	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
Resident Undergraduate Tuition	\$350	\$600	\$850	\$1,100	\$1,350	\$1,600	\$1,850	\$2,100	\$2,350	\$2,600	\$2,850	\$3,090
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50
Student Service Facility Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0
Student Athletics Fee	0	0	0	0	0	0	0	0	0	0	0	0
Student Programs Fee	12	12	12	12	12	12	25	25	25	25	25	25
Health & Wellness Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0
Financial Aid Trust	23	23	23	23	23	23	46	46	46	46	46	46
Recreation Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0
Total Undergraduate Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$435	\$685	\$935	\$1,185	\$1,435	\$1,685	\$1,971	\$2,221	\$2,471	\$2,721	\$2,971	\$3,211

NON-RESIDENT	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
Non-Resident Undergraduate Tuition	\$540	\$930	\$1,320	\$1,710	\$2,100	\$2,490	\$2,880	\$3,270	\$3,660	\$4,050	\$4,440	\$4,774
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50
Student Service Facility Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0
Student Athletics Fee	0	0	0	0	0	0	0	0	0	0	0	0
Student Programs Fee	12	12	12	12	12	12	25	25	25	25	25	25
Health & Wellness Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0
Financial Aid Trust	23	23	23	23	23	23	46	46	46	46	46	46
Recreation Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0

Total Undergraduate Non-Resident Tuition & Fees ^{(2) (3) (4) (5) (6)}	\$625	\$1,015	\$1,405	\$1,795	\$2,185	\$2,575	\$3,001	\$3,391	\$3,781	\$4,171	\$4,561	\$4,895

⁽¹⁾ Students admitted to ASU Colleges at Lake Havasu City are not billed the student service facility fee, athletics fee, health and wellness fee, or recreation fee.

⁽²⁾ Music Fees & Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.

⁽³⁾ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is \$135 per credit hour up to a maximum of \$945 for enrollment in 7 or more hours. For nonresident students the excess hours tuition is \$197 per credit hour up to a maximum of \$2,364 for enrollment in 12 or more credit hours. See students.asu.edu/tuitionandfees for additional information regarding the Undergraduate Excess Hours Tuition.

⁽⁴⁾ Students admitted to Barrett, the Honors College are assessed a \$500 honors fee each fall and spring semester in addition to the tuition and fees presented above.

⁽⁵⁾ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

⁽⁶⁾ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.

Postbaccalaureate

RESIDENT	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Graduate Tuition	\$758	\$1,516	\$2,274	\$3,032	\$3,790	\$4,548	\$5,305
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	35	35	35	35	35	35	35
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Graduate Resident Tuition & Fees ^{(1) (2) (3)}	\$972	\$1,730	\$2,488	\$3,246	\$4,004	\$4,762	\$5,651

NON-RESIDENT	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
Non-Resident Graduate Tuition	\$1,085	\$2,170	\$3,255	\$4,340	\$5,425	\$6,510	\$7,595	\$8,680	\$9,765	\$10,850	\$11,935	\$13,022
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Athletics Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Programs Fee	35	35	35	35	35	35	35	35	35	35	35	35
Health & Wellness Fee	20	20	20	20	20	20	40	40	40	40	40	40
Financial Aid Trust	23	23	23	23	23	23	46	46	46	46	46	46
Recreation Fee	12	12	12	12	12	12	25	25	25	25	25	25
Total Graduate Non-Resident Tuition & Fees ^{(1) (2) (3)}	\$1,299	\$2,384	\$3,469	\$4,554	\$5,639	\$6,724	\$7,941	\$9,026	\$10,111	\$11,196	\$12,281	\$13,368

⁽¹⁾ Music Fees & Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.

⁽²⁾ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

⁽³⁾ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.

Graduate

RESIDENT	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Graduate Tuition	\$758	\$1,516	\$2,274	\$3,032	\$3,790	\$4,548	\$5,305
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	35	35	35	35	35	35	35
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Graduate Resident Tuition & Fees ^{(1) (2) (3)}	\$972	\$1,730	\$2,488	\$3,246	\$4,004	\$4,762	\$5,651

NON-RESIDENT	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
Non-Resident Graduate Tuition	\$1,085	\$2,170	\$3,255	\$4,340	\$5,425	\$6,510	\$7,595	\$8,680	\$9,765	\$10,850	\$11,935	\$13,022
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Athletics Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Programs Fee	35	35	35	35	35	35	35	35	35	35	35	35
Health & Wellness Fee	20	20	20	20	20	20	40	40	40	40	40	40
Financial Aid Trust	23	23	23	23	23	23	46	46	46	46	46	46
Recreation Fee	12	12	12	12	12	12	25	25	25	25	25	25
Total Graduate Non-Resident Tuition & Fees ^{(1) (2) (3)}	\$1,299	\$2,384	\$3,469	\$4,554	\$5,639	\$6,724	\$7,941	\$9,026	\$10,111	\$11,196	\$12,281	\$13,368

⁽¹⁾ Music Fees & Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.

⁽²⁾ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

⁽³⁾ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.

Graduate and Postbaccalaureate Online

RESIDENT	ENROLLED HOURS																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Resident Graduate Online Tuition	\$482	\$964	\$1,446	\$1,928	\$2,410	\$2,892	\$3,374	\$3,856	\$4,338	\$4,820	\$5,302	\$5,784	\$6,266	\$6,748	\$7,230	\$7,712	\$8,194	\$8,676
Technology Fee ⁽⁴⁾	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Student Programs Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Student Service Facility Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Student Athletics Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health & Wellness Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Financial Aid Trust ⁽⁴⁾	23	23	23	23	23	23	46	46	46	46	46	46	46	46	46	46	46	46
Recreation Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Graduate Resident Online Tuition & Fees ^{(1) (2) (3) (4) (5) (6)}	\$555	\$1,037	\$1,519	\$2,001	\$2,483	\$2,965	\$3,470	\$3,952	\$4,434	\$4,916	\$5,398	\$5,880	\$6,362	\$6,844	\$7,326	\$7,808	\$8,290	\$8,772

NON-RESIDENT	ENROLLED HOURS																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Non-Resident Graduate Online Tuition	\$482	\$964	\$1,446	\$1,928	\$2,410	\$2,892	\$3,374	\$3,856	\$4,338	\$4,820	\$5,302	\$5,784	\$6,266	\$6,748	\$7,230	\$7,712	\$8,194	\$8,676
Technology Fee ⁽⁴⁾	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
Student Programs Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Student Service Facility Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Student Athletics Fee	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Health & Wellness Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Financial Aid Trust ⁽⁴⁾	23	23	23	23	23	23	46	46	46	46	46	46	46	46	46	46	46	46
Recreation Fee ⁽¹⁾	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Graduate Non-Resident Online Tuition & Fees ^{(1) (2) (3) (4) (5) (6)}	\$555	\$1,037	\$1,519	\$2,001	\$2,483	\$2,965	\$3,470	\$3,952	\$4,434	\$4,916	\$5,398	\$5,880	\$6,362	\$6,844	\$7,326	\$7,808	\$8,290	\$8,772

⁽¹⁾ Students admitted to an Online campus program are not billed the student programs fee, student service facility fee, athletics fee, health and wellness fee, or recreation fee.

⁽²⁾ Online tuition is billed per credit hour with no cap. The rates presented above are per session and if more than 18 credit hours are taken in a session, tuition will be greater. To calculate the increase in tuition, add the tuition cost per hour for each additional hour taken to the tuition and fees total for 18 hours.

⁽³⁾ Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.

⁽⁴⁾ Mandatory fees are billed per session but are not to exceed the seven hour rate in a term.

⁽⁵⁾ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

⁽⁶⁾ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.

New College of Interdisciplinary Arts and Sciences Freshmen and Sophomores Undergraduate Degree Programs

RESIDENT Sophomores Admitted Summer 2010 Through Spring 2011**	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$610	\$1,220	\$1,830	\$2,440	\$3,050	\$3,660	\$4,187
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$801	\$1,411	\$2,021	\$2,631	\$3,241	\$3,851	\$4,523

RESIDENT Freshmen and Sophomores Admitted Summer 2011 Through Spring 2012**	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$610	\$1,220	\$1,830	\$2,440	\$3,050	\$3,660	\$4,268
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$801	\$1,411	\$2,021	\$2,631	\$3,241	\$3,851	\$4,604

RESIDENT Freshmen and Sophomores Admitted Summer 2012 Through Spring 2013**	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$610	\$1,220	\$1,830	\$2,440	\$3,050	\$3,660	\$4,268
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$801	\$1,411	\$2,021	\$2,631	\$3,241	\$3,851	\$4,604

RESIDENT Freshmen and Sophomores Admitted Summer 2013 Through Spring 2015**	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$610	\$1,220	\$1,830	\$2,440	\$3,050	\$3,660	\$4,268
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$801	\$1,411	\$2,021	\$2,631	\$3,241	\$3,851	\$4,604

NON- RESIDENT Freshmen and Sophomores	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
Non-Resident Undergraduate Tuition	\$894	\$1,788	\$2,682	\$3,576	\$4,470	\$5,364	\$6,258	\$7,152	\$8,046	\$8,940	\$9,834	\$10,724
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Athletics Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Programs Fee	12	12	12	12	12	12	25	25	25	25	25	25
Health & Wellness Fee	20	20	20	20	20	20	40	40	40	40	40	40
Financial Aid Trust	23	23	23	23	23	23	46	46	46	46	46	46
Recreation Fee	12	12	12	12	12	12	25	25	25	25	25	25
Total Undergraduate Non-Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$1,085	\$1,979	\$2,873	\$3,767	\$4,661	\$5,555	\$6,594	\$7,488	\$8,382	\$9,276	\$10,170	\$11,060

*Undergraduate Freshmen and sophomores in the New College of Interdisciplinary Arts and Sciences are eligible to receive a 10% reduction in base tuition. In order to receive this discount, students must take all classes at the campus of their major. The discount is not affected by enrollment in iCourses.

**The ASU Tuition Commitment is that full-time undergraduate resident tuition will increase at a reasonable rate from the semester of admission or readmission. For more information about the Tuition Commitment and the Commitment Period please refer to students.asu.edu/tuitionandfees.

⁽¹⁾ Music Fees & Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.

⁽²⁾ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is \$135 per credit hour up to a maximum of \$945 for enrollment in 7 or more hours. For nonresident students the excess hours tuition is \$197 per credit hour up to a maximum of \$2,364 for enrollment in 12 or more credit hours. See students.asu.edu/tuitionandfees for additional information regarding the Undergraduate Excess Hours Tuition.

⁽³⁾ Students admitted to Barrett, the Honors College are assessed a \$500 honors fee each fall and spring semester in addition to the tuition and fees presented above.

⁽⁴⁾ All amounts shown in the Tuition and Fees Schedules or in other University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors. Finally, please note that fee amounts billed for any period may be adjusted at a future date.

⁽⁵⁾ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.

The Polytechnic School Freshman and Sophomores Undergraduate Degree Program

RESIDENT Sophomores Admitted Summer 2010 Through Spring 2011**	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$610	\$1,220	\$1,830	\$2,440	\$3,050	\$3,660	\$4,187
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$801	\$1,411	\$2,021	\$2,631	\$3,241	\$3,851	\$4,523

RESIDENT Freshmen and Sophomores Admitted Summer 2011 Through Spring 2012**	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$610	\$1,220	\$1,830	\$2,440	\$3,050	\$3,660	\$4,268
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$801	\$1,411	\$2,021	\$2,631	\$3,241	\$3,851	\$4,604

RESIDENT Freshmen and Sophomores Admitted Summer 2012 Through Spring 2013**	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$610	\$1,220	\$1,830	\$2,440	\$3,050	\$3,660	\$4,268
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40

Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$801	\$1,411	\$2,021	\$2,631	\$3,241	\$3,851	\$4,604

RESIDENT Freshmen and Sophomores Admitted Summer 2013 Through Spring 2015**	ENROLLED HOURS						
	1	2	3	4	5	6	7 & Over
Resident Undergraduate Tuition	\$610	\$1,220	\$1,830	\$2,440	\$3,050	\$3,660	\$4,268
Technology Fee	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75
Student Athletics Fee	37	37	37	37	37	37	75
Student Programs Fee	12	12	12	12	12	12	25
Health & Wellness Fee	20	20	20	20	20	20	40
Financial Aid Trust	23	23	23	23	23	23	46
Recreation Fee	12	12	12	12	12	12	25
Total Undergraduate Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$801	\$1,411	\$2,021	\$2,631	\$3,241	\$3,851	\$4,604

NON- RESIDENT Freshmen and Sophomores	ENROLLED HOURS											
	1	2	3	4	5	6	7	8	9	10	11	12 & Over
Non-Resident Undergraduate Tuition	\$894	\$1,788	\$2,682	\$3,576	\$4,470	\$5,364	\$6,258	\$7,152	\$8,046	\$8,940	\$9,834	\$10,724
Technology Fee	50	50	50	50	50	50	50	50	50	50	50	50
Student Service Facility Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Athletics Fee	37	37	37	37	37	37	75	75	75	75	75	75
Student Programs Fee	12	12	12	12	12	12	25	25	25	25	25	25
Health & Wellness Fee	20	20	20	20	20	20	40	40	40	40	40	40
Financial Aid Trust	23	23	23	23	23	23	46	46	46	46	46	46
Recreation Fee	12	12	12	12	12	12	25	25	25	25	25	25
Total Undergraduate Non-Resident Tuition & Fees ^{(1) (2) (3) (4) (5)}	\$1,085	\$1,979	\$2,873	\$3,767	\$4,661	\$5,555	\$6,594	\$7,488	\$8,382	\$9,276	\$10,170	\$11,060

*Undergraduate Freshmen and Sophomores in the Polytechnic School are eligible to receive a 10% reduction in base tuition. In order to receive this discount, students must take all classes at the campus of their major. The discount is not affected by enrollment in iCourses.

**The ASU Tuition Commitment is that full-time undergraduate resident tuition will increase at a reasonable rate from the semester of admission or readmission. For more information about the Tuition Commitment and the Commitment Period please refer to students.asu.edu/tuitionandfees.

⁽¹⁾ Music Fees & Special Class Fees are dependent on specific class enrollment and are not included here. Fees are available online through Class Search.

⁽²⁾ Undergraduate students with total credit hours in excess of the threshold established by the Arizona Legislature are required to pay tuition on these excess hours. For resident students the excess hours tuition is \$135 per credit hour up to a maximum of \$945

for enrollment in 7 or more hours. For nonresident students the excess hours tuition is \$197 per credit hour up to a maximum of \$2,364 for enrollment in 12 or more credit hours. See students.asu.edu/tuitionandfees for additional information regarding the Undergraduate Excess Hours Tuition.

⁽³⁾ Students admitted to Barrett, the Honors College are assessed a \$500 honors fee each fall and spring semester in addition to the tuition and fees presented above.

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⁽⁵⁾ Certain graduate and undergraduate programs are assessed differential tuition or program fees, depending on the college and/or program. Use the Tuition and Cost of Attendance Estimator to review program specific tuition and fees.

Source URL: https://catalog.asu.edu/tuitionandfees/fees_fall2014.html



Registration & Tuition Payment Guide

Fall 2014

**Distributed by:
University Registrar Services**

Revised 5/27/2014

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Important Reminder

By registering for classes you agree to pay all applicable tuition and registration fees. You will NOT be dropped from your classes for non-payment. If you do not have adequate financial aid to cover tuition costs, and if you do not pay tuition by the applicable deadline, you will be enrolled in the Tuition Installment Plan and assessed a non-refundable \$100 resident/\$200 non-resident enrollment fee. **See page 13 for more information.**

Semester Calendar - Fall 2014

All dates and times published in this schedule are tentative and are subject to change without notice.

If a class is scheduled in a session other than Session A, B or C, the drop/add/withdrawal deadlines are prorated based on the length of the class. Check the calendar icon next to each class on your schedule in My ASU for the prorated deadline dates.

Session A: Thursday, 8/21/2014 – Friday, 10/10/2014

Session B: Wednesday, 10/15/2014 – Friday, 12/5/2014

Session C: Thursday, 8/21/2014 – Friday, 12/5/2014 (Final Exams 12/8/2014-12/13/2014)

Schedule of Classes Available	February 24, 2014		
Registration and Tuition Guide Available	February 24, 2014		
Registration Dates Begin	February 27, 2014		
Suggested Postmark Date:	August 11, 2014		
\$50.00 Late Registration Fee Begins (does not apply to ASU Online students)	Session A August 13, 2014	Session B October 7, 2014	Session C August 13, 2014
Tuition Fee Payment Deadline—For registration from February 24, 2014 through August 18, 2014. For more information see http://students.asu.edu/tuitiondeadlines	August 25, 2014		
Classes Begin	Session A August 21, 2014	Session B October 15, 2014	Session C August 21, 2014
Last day to register or drop/add without college approval	Session A August 22, 2014	Session B October 16, 2014	Session C August 27, 2014
Residency Classification Petition Deadline	August 27, 2014		
Labor Day Observed—University Closed	September 1, 2014		
Tuition & Fees 100% Refund Deadline – For more information see http://students.asu.edu/tuitionrefundpolicy	Session A August 27, 2014	Session B October 21, 2014	Session C September 3, 2014
University 21 st Day	Session A September 10, 2014	Session B November 4, 2014	Session C September 10, 2014
Deadline to Apply for Graduation	October 1, 2014		
Academic Status Report #1	Session A September 3-5, 2014	Session B October 27-29, 2014	Session C Sept 9-Oct 6, 2014
Fall Break	October 11-14, 2014		
Academic Status Report #2	Session A N/A	Session B N/A	Session C Oct 27-Nov 3, 2014
Course Withdrawal Deadline	Session A September 10, 2014	Session B November 4, 2014	Session C November 5, 2014

Semester Calendar (continued) - Fall 2014

Session A: Thursday, 8/21/2014—Friday, 10/10/2014 Session B: Wednesday, 10/15/2014—Friday, 12/5/2014 Session C: Thursday, 8/21/2014—Friday, 12/5/2014 (Final Exams 12/8/2014-12/13/2014)			
Veterans Day Observed—University Closed	November 11, 2014		
Thanksgiving Holiday Observed—University Closed	November 27-28, 2014		
Complete Session Withdrawal Deadline As part of a complete session withdrawal a student must withdraw from all classes in a session. Beginning the first day of classes, undergraduate students are required to contact their college/school for facilitate the withdrawal process. For more information, see https://students.asu.edu/forms/withdrawal	Session A October 10, 2014	Session B December 5, 2014	Session C December 5, 2014
Classes End/ Last Day to Process Transactions	Session A October 10, 2014	Session B December 5, 2014	Session C December 5, 2014
Study Days	Session A N/A	Session B N/A	Session C December 8-13, 2014
Final Exams	Session A Last day of classes	Session B Last day of classes	Session C December 8-13, 2014
Final Grades Due	Session A October 13, 2014	Session B December 8-15, 2014	Session C December 8-15, 2014
Commencement Ceremony - Graduate and Undergraduate http://graduation.asu.edu	December 15, 2014		
Degree Conferral Date	December 15, 2014		
Grade Replacement/Academic Standing Processing	December 16-17, 2014		
Holiday Break—University Closed	December 25-26, 2014		

* See Residential Life for designated move in dates.

** Late Registration fee of \$50 assessed.

*** Classes start on Thursday, August 21, 2014 in order to fully comply with ABOR contract hour requirements

Admission and Registration

Admission/Readmission

Undergraduate admission/readmission:
students.asu.edu/admission

Graduate admission/readmission:
graduate.asu.edu

Law College:
law.asu.edu

Students who are required to be advised must do so before submitting a registration request. Non-degree undergraduate students may not enroll for more than eight semester hours. Students who have been previously enrolled in a degree program at ASU are not permitted to attend in non-degree status.

Registration Procedures Overview

my.asu.edu

- Step 1: Log into My ASU to view your online Registration Dates. A registration date is the date/time that you may begin to register for classes. You may register online or in person anytime after your assigned registration date begins through the end of the drop/add period.*
- Step 2: Check for registration holds on My ASU. If you have an academic advising hold, plan to meet with your academic advisor well before your Registration Date occurs.
- Step 3: Review degree and catalog requirements.
- Step 4: Review your Major Map on My ASU (undergraduate students only).
- Step 5: Search for available classes using the Class Search at my.asu.edu.
- Step 6: Register for classes at my.asu.edu or in person at any registrar location <https://students.asu.edu/contact/office-university-registrar>
- Step 7: Pay tuition. If you do not have adequate financial aid to

cover tuition costs, and if you do not pay tuition by the applicable deadline, you will be enrolled in the Tuition Installment Plan and assessed a non-refundable \$100 resident/\$200 non-resident enrollment fee.

*Students may register for Fall 2014 through August 22, 2014 for Session A, August 27, 2014 for session C, and October 16, 2014 for Session B. However, a \$50 late registration fee is charged beginning TBD. This fee does not apply to ASU online students.

Registration/Enrollment General Information

Registration Dates

All students are assigned an online **registration date** which will permit registration for the Fall 2014 semester. Students should log into My ASU to view their registration date as soon as possible.

A registration date is the date and time that a student may begin registering for the next semester. Students may register in person or online anytime after the assigned registration date begins, through the end of the drop/add period.

If you are an entering freshman in the Fall semester, your registration date will be the date of your orientation program. If you are not an entering freshmen, and you do not have a registration date assigned, contact the University Registrar Services at 480.965.3124.

Building Your Class Schedule

ASU's registration system will allow you to search the Schedule of Classes/Class Search and build a Fall class registration request. You can save that plan (shopping cart) and then later return to it. When you return, you will be able to see if the class status has changed since you built and saved the plan. You can view the online Schedule of Classes/Class Search via My ASU (my.asu.edu). The Fall 2014 Schedule of Classes is available February 24, 2014.

Registration, cont.

Submitting Your Registration Request

Once you have submitted your schedule request, you will be able to immediately see which courses were successfully added to your schedule. **Note: You may choose to audit a course in which case you attend and participate in the class but do not earn credit. Be sure to obtain instructor's approval before registering and paying fees. Refer to your catalog and see your academic advisor for additional information about audit enrollment.**

Drop/Add

Anytime after you have a class schedule, you will be able to drop and add courses via My ASU or in person at any registration location through the published drop/add deadline. During this period, you may drop one or more (but not all) scheduled classes. Classes that are dropped do not appear on the student's transcript. A student who wishes to withdraw from his/her last course during the drop/add period must process a complete withdrawal. Colleges or departments may require approvals before a student can add specific classes.

Swap

You can use the swap feature when you want to ensure that you do not drop a class you are already registered for until you have successfully added a replacement class.

Registration Holds

You will be able to view a list of holds that will prevent registration. Items that can prevent you from registering are: unpaid fees, academic advising requirements, immunizations, etc. Do not delay your ability to get the classes you want. Take care of your University business now to eliminate any holds.

To Dos

You will be able to view a list of your To Do items. To Do items display tasks you need to complete, such as completing a financial aid form. To Do items do not restrict registration. However, if you do not accomplish an open To Do item, it can become a Hold on your record. Follow the instructions or contact the appropriate person to make arrangements to complete each pending task as soon as possible.

Registration Locations

Tempe campus	West campus	Polytechnic campus	Downtown Phoenix campus
Student Services Bldg, Room 140	University Center Bldg, Room 120	Administration Bldg	University Center Bldg, Room 166
480.965.3124	602.543.8203	480.727.1142	602.496.4372
Monday - Friday 8:00am - 5:00pm			
Offices are closed in observance of the following holidays: Labor Day—September 1, 2014 Veterans Day—November 11, 2014 Thanksgiving Holiday—November 27-28, 2014 Holiday Break—December 25-26, 2014			

A photo ID is required to process transactions in person.

In order to process any registration transaction in a student's absence, a third party must present their photo ID and written authorization signed by the student. A Registration by Proxy Form for a third party must present their photo ID and written purpose is available on the web at students.asu.edu/forms/registration or at any University registration site.

Measles Immunization Policy

Arizona State University requires new freshman, transfer, and graduate students to submit proof of two doses of MMR—Measles (rubeola), Mumps and Rubella (German Measles). This is a mandatory requirement for all college students born on or after

January 1, 1957. You will not be permitted to register, add, or drop classes without having met this requirement. If you cannot locate your documentation, the MMR vaccinations and lab test are available for a minimal fee at ASU Health Service.

One of the following may be used as documentation:

- Documentation of two MMR vaccines with the first at around 12 months or older and the second vaccination at least 28 days apart.

Registration, cont.

Measles Immunization Policy, Cont.

- Documentation by a physician of having had Rubeola, Mumps and Rubella diseases.
- Documentation of a positive lab test showing immunity to RUBEOLA IgG (Measles=Hard measles/10 day measles).

When submitting your documentation, please include the cover page that can be found at <https://eoss.asu.edu/health/immunization>

Mail, Fax or Email to:

IMMUNIZATION DEPARTMENT	FAX#: 480-965-8914
ASU Health Service	Phone#: 480-965-8177
Arizona State University	Email: measles@asu.edu
P.O Box 872104	
Tempe, AZ 85287-2104	

Advising

Admitted undergraduate students who have declared a major should contact an academic advisor in the college or school of their major for advising and for assistance in determining the catalog under which they will graduate. Exploratory/undeclared students should contact School of Letters & Sciences for academic advising. Many programs require academic advisement prior to registration for classes.

Students may visit MyASU to learn their current academic advising office assignment. For additional information regarding general academic advising for all ASU departments Visit <https://students.asu.edu/academics>

Instructor-Initiated Drop Option

The instructor of a course has full authority within departmental or other higher-level policies to decide whether or not class attendance is required. During the second week of classes in Fall or Spring, or the first four days of each Summer Session, the instructor can drop a student for non-attendance. In classes which are full, this will allow accommodation of other students requesting the class and help instructors avoid excessive

overrides. Instructor-initiated drops for non-attendance must be based upon concrete evidence of non-attendance and be signed by the Dean or Dean's Designee in the college offering the course. The college will notify the student by mail at the student's currently posted local address. Nothing in this policy contradicts any other policy regarding attendance, religious holidays, or the student's responsibility to notify the instructor in case of absences.

Note: Students should be aware that non-attendance will not automatically result in being dropped. Instructors have the right to exercise this option at their discretion. It is also the student's responsibility to contact the instructor before the end of the first week of classes if absences during that period cannot be avoided.

Withdrawal Policy

Course Withdrawal

After the drop/add period and up to September 10, 2014 for Session A, November 4, 2014 for Session B and November 5, 2014 for Session C, a student may withdraw from any course with a grade of "W". Withdrawals may be initiated online using My ASU or in person at any registration site. Courses with alternate begin and end dates may have an adjusted withdrawal schedule. Courses from which the student withdraws will remain on the student's transcript with a grade of "W". Any appropriate refunds are issued based on the published Refund Schedule and the date of the withdrawal. To determine whether you will be eligible for a refund after withdrawing, contact Student Accounts at 480-965-6341. It is the student's responsibility to initiate a withdrawal if unable to attend a class. Failure to do so will result in a grade of "E" being assigned for the class. Although students who do not attend class during the first week of a term may be administratively dropped from the class, such withdrawal is at the discretion of the instructor. In special circumstances, a medical withdrawal or academic record change maybe authorized by the Dean of an academic unit if the student petitions for the change and presents documentation of reasons for being unable to attend the class. Please note academic record changes can only be requested after the semester has ended. It is the student's responsibility to petition for such change if appropriate.

Complete Withdrawal

A student may withdraw from all of his or her classes (the student will no longer be enrolled in any classes for the specified semester) through the transaction deadline or the last day of classes for

Registration, cont.

any semester. A grade of “W” is awarded for each class from which the student withdraws. The complete withdrawal deadline is October 10, 2014 for Session A, and December 5, 2014 for Sessions B and C. Beginning the first date of the semester, undergraduate students are required to request a complete withdrawal in person. Making a complete withdrawal from the University is a difficult decision, and ASU has many resources in place to help. Because there may be serious academic and financial consequences to processing a complete withdrawal, you should view complete withdrawal as a final resort. You are encouraged to meet with your academic advisor to explore alternatives.

Note: A student may not avoid any penalty for academic dishonesty by withdrawing from a course. A student may be reinstated to a course to receive a penalty of a reduced or failing grade, or XE. Remember: If you have financial aid or scholarships, be sure you understand minimum credit hour requirements for maintaining those awards.

Military Withdrawal

To completely withdraw due to military activation, immediately contact Veterans Services in the Pat Tillman Veterans Center. For all campuses, call 480.965.7723 to determine whether the call to active duty qualifies for the “Military Activation” policy. For example, students reporting to “boot camp” or required training may not qualify for this policy. Students who qualify will receive some regulatory relief in the recalculation of financial aid and the calculation of tuition and fee charges. Students are also given options regarding their academic records, e.g., complete withdrawal, incomplete grades, etc.

Financial Assistance Withdrawal Policy

Circumstances may necessitate complete withdrawal from the University. For financial aid, a complete withdrawal from the full term or any individual session can affect financial aid eligibility. The outcome of complete withdrawal on your financial aid depends on when the complete withdrawal is initiated and the types of financial aid you received. In all cases, your financial aid must be recalculated.

Official Complete Withdrawal

Federal regulations require the recalculation of Title IV financial aid in cases where a student received financial aid and officially

withdrew on or before the point which 60% of the semester has lapsed. If a return of aid is required, ASU returns the unearned portion of Title IV financial aid funds to the Federal Programs on behalf of the student. Any return of financial aid funds made by the University will be charged to the student’s University account. Payment to the University will be due on demand. Title IV funds include the Federal Pell Grant, the Federal Supplemental Educational Opportunity Grant (FSEOG), the Federal Perkins Loan, the Leveraging Educational Assistance Partnership (LEAP), the Academic Competitiveness Grant (ACG), the Science and Mathematics Access to Retain Talent Grant (SMART), the Federal Teach Grant, the Iraq and Afghanistan Service Grant, the Federal Direct Subsidized and Unsubsidized Student Loans and the Federal PLUS Loan. Federal Work Study earnings and non-Title IV aid are not included in this formula. However, the student may not continue to work under the Federal Work Study program after their official date of withdrawal.

University Testing Requirements

All new, transfer, or readmitted undergraduate students must meet one of the following testing requirements:

- Take the ACT English, SAT verbal examination, WritePlacer Plus section of the ACCUPLACER, TOEFL (Test of English as a Foreign Language), IELTS (International English Language Testing System), or PTEA (Pearson Test of English Academic) and have scores submitted to ASU.
- Receive a score of 4 or 5 for the advanced placement examination in English offered by the College Entrance Examination Board and have scores submitted to ASU.
- Take the CLEP College Composition exam, earning a score of 50 that qualifies for placement in ENG 102, and have scores submitted to ASU.
- Have previously taken or be currently enrolled in WAC101, WAC107, ENG101, ENG102, ENG105, ENG107, or ENG108 at ASU. If the course was taken at ASU before 1980, contact the Records and Enrollment Services Office in SSV140 or at 480.965.3124, before registering for classes.
- Transfer a course equivalent to ENG101, ENG102, ENG105, ENG107, or ENG108 with a grade of “C” (2.00) or higher.

An official transcript showing the grade must be received by ASU.

Registration, cont.

The evaluations of transfer English courses at Arizona State University has been centralized and all evaluations will be processed through the new Transfer Credit Guide. All transfer students should visit www.asu.edu/transfercredit to request an evaluation of transfer course work. Any questions regarding the evaluation process should be sent to articulation@asu.edu.

Placement Exams

A. First-Year Composition

Placement in First-Year Composition courses (WAC101 or WAC107 followed by ENG101 or ENG107 the next semester, or ENG101, ENG105, or ENG 107) is determined by the score earned on the ACT English, SAT Verbal Exam, Accuplacer, TOEFL, IELTS, or PTEA exam. Multilingual students are not required to take multilingual sections of first-year composition courses (WAC107, ENG107, and ENG108). They have the option of taking mainstream composition courses (WAC101, ENG101, and ENG102). If students enter the university without taking an acceptable placement exam, the Accuplacer may be taken once on campus at the University Testing and Scanning Services, located at 1130 E. University Dr. Suite 204 in Tempe, at regularly scheduled times. Contact the UTSS at 480.965.7146 to make an appointment. Placement in First-Year Composition will be determined as follows:

Multilingual students who have taken the IELTS or PTEA exam should contact the Writing Programs Office at 480-965-3853 for assistance with registration.

Students who have taken the Advanced Placement Exam in English offered by the College Entrance Examination Board, the International Baccalaureate English A Exam, or the CLEP College Composition Exam, can contact the Writing Programs Office at 480-965-3853 for more information about placement into first-year Composition courses.

B. Mathematics Course Placement Exams

Arizona State University requires the **Math Placement Test** to

Exam Score:	Register For:
SAT Verbal 460 and below	WAC101 or WAC107
ACT English 18 and below	WAC101 or WAC107
TOEFL 550PBT / 213CBT / 79iBT and below	WAC107
IELTS 6.0 and below	WAC 107
PTEA 56 and below	WAC 107
SAT Verbal 470-610	ENG101 or ENG107
ACT English 19-25	ENG101 or ENG107
TOEFL 560PBT / 220CBT / 83iBT and above	ENG101 or ENG107 (Students should call 480-965-3853 for assistance when registering for ENG101)
IELTS 6.5 and above	ENG 107
PTEA 56 and above	ENG 107
SAT Verbal 620 and above	ENG105
ACT English 26 and above	ENG105
Accuplacer score 4 or below	WAC101 or WAC107
Accuplacer score 5, 6, or 7	ENG101 or ENG107
Accuplacer score 8	ENG 105

assess a student's prerequisite knowledge for placement into several mathematics courses up to and including first semester calculus. The instrument used for testing is a powerful assessment tool that zeros in on the strengths and weaknesses of a student's mathematical knowledge, reports placement score to the student and then, if necessary, provides the student with a learning environment for bringing this knowledge up to an appropriate level for the desired course placement.

All incoming students must complete the **Math Placement Test** prior to enrollment unless they have transferred an equivalent prerequisite course. The time limit to finish the assessment

Registration, cont.

Veterans Educational Benefits

Veterans and eligible dependents must apply for veterans educational benefits and then verify their status with Veterans Services as soon as possible with each new semester. Distance Learning classes have veterans education benefit restrictions. Veterans cannot collect benefits for audited classes.

All Campuses
Pat Tillman Veterans Center Tempe Campus Memorial Union, Lower Level, Room 75
480.965.7723

Student Identification

ASU Sun Devil Cards

Students are required to provide an ASU ID card to receive many ASU services, gain access to educational records, or gain access into secure buildings, classrooms and labs. Each student admitted to ASU now may choose between the Pitchfork ID Check Card MasterCard® offered by MidFirst Bank¹ and the basic Sun Card. The Pitchfork Card is an official ASU student photo ID and a MasterCard check card linked to Sun Devil Checking account. Both cards act as official university IDs and cost \$25*, which may be paid with cash, check, Visa®, MasterCard®, or applied to the student's university account. As proof of identity, students will need their ten-digit ASU ID and a legal photo ID (driver's license, passport, or Military ID, etc.). Call 480.965.CARD (2273), or visit cardservices.asu.edu for more information. Both the Pitchfork Card and the basic Sun Card contain a 16-bit iCLASS® chip that allows easy access into classrooms and residence halls without the use of a key.

Do not punch holes in your card, or you will damage your card's functionality.

Both the Pitchfork Card and the basic Sun Card can be used for a variety of services.



Card Uses	Pitchfork ID Check Card MasterCard®	Basic Sun Card
Official ASU Student ID	*	*
Access to secure buildings	*	*
Access for meal plans**	*	*
Access for Maroon & Gold (M&G) Dollars**	*	*
Access to Sun Devil Fitness Complex	*	*
Access to academic advising	*	*
Access for exam identification	*	*
Access to library and check out	*	*
Access for ASU Athletic events	*	*
Accepted at MasterCard locations worldwide	*	
Pay for campus health services	*	
Pay for campus parking services	*	
Pay for SunDevil Campus Sores items	*	
Comes with Sun Devil Checking—FREE to ASU students	*	
FREE ATMs nationwide, including MidFirst ATMs on campus	*	

*The \$25 fee for your card was included in your enrollment deposit. If you need to replace your Pitchfork Card or basic Sun Card, a \$25 fee will apply. All rules for obtaining a replacement ID card may be found at carservices.asu.edu.

**Meal Plans and Maroon & Gold (M&G) Dollars are administered by Sun Devil Dining. Call 480.727.DINE (3463) or visit sundeildining.com

¹Member FDIC

Tuition and Fees

Admission Application Fees

*Admission application fees are subject to change. These fees are non-refundable and must be paid at the time of application.

*Also includes resident students applying from out-of-state.

Fall 2014 General Tuition*

General tuition, program-specific tuition, special class fees and mandatory registration fees are set annually by the Arizona Board of Regents. Visit the following websites for more information.

- General tuition and mandatory registration fee information— <https://students.asu.edu/tuitionandfees>
- Program-specific information— <https://students.asu.edu/tuition>

Special class fees can be viewed online at the time of class registration

By registering for classes you agree to pay all applicable tuition and registration fees.

*All amounts presented in any University publications or web pages represent tuition and fees as currently approved. However, Arizona State University reserves the right to increase or modify tuition and fees without prior notice, upon approval by the Arizona Board of Regents or as otherwise consistent with Board policy and to make such modifications applicable to students enrolled at ASU at that time as well as to incoming students. In addition, all tuition amounts and fees are subject to change at any time for correction of errors.

Tuition Billing

Tuition charges will be billed on your student account and may be viewed online through My ASU (my.asu.edu) after registration. From My ASU, select the “Finances” link on the upper left side.

By registering for classes you agree to pay all applicable tuition and registration fees.

If tuition is not paid by the applicable tuition due date, or financial aid is not awarded and accepted by the due date, you will be automatically enrolled in the ASU Payment Plan and charged a non-refundable enrollment fee of \$100 for resident students and \$200 for non-resident students. For students with accepted financial aid sufficient to cover tuition charges, financial aid will automatically pay tuition charges and no action is necessary. For students with accepted financial aid insufficient to cover tuition charges, payment in full is required by the due date to avoid automatic enrollment in the ASU Payment plan. Refer to <https://students.asu.edu/tuitiondeadlines> for your specific tuition payment due date.

Online Billing

Online billing provides reliable and secure access to billing statements any time of day from anywhere in the world along with immediate access to current account information. To view and pay your charges, login to my.asu.edu, select the link “Finances” on the upper left side, then click “Make a Payment”. Online billing statements are also available through QuikPAY by clicking “View Account”. Students are responsible to review their ASU e-mail account for notification of billing statements and to login to their student account on My ASU for current billing information. **Billing statements are not mailed.**

Students may authorize others to view and pay their ASU student account through QuikPAY. Log in to my.asu.edu, select the “Finances” link on the upper left side, then click “Make a Payment”. Once directed to QuikPAY select Authorized Payers from the left windowpane and enter the requested information for each person to be authorized on the account. Authorized Payers must have a valid email account.

eCheck Payments

eChecks are ASU’s preferred payment method and are accepted online with no service charge or additional cost to the student. Make eCheck payments on QuikPAY by logging in to My ASU (my.asu.edu), select the “Finances” link on the upper left side, then click “Make a Payment” to be directed to the online payment processor. eChecks are a fast and simple payment method that can be made from regular U.S. checking and savings accounts in U.S. dollars. Checks issued from money market accounts, credit card companies, mutual funds, brokerage accounts, home equity or other lines of credit cannot be processed as an eCheck. Additional information is available at students.asu.edu/tuitionandbilling, see Payment Options.

Tuition and Fees, cont.

Credit Card Payments

ASU does not directly accept credit or debit card payments for tuition or other student account charges. The University has arranged for a third-party processor to accept Visa, MasterCard, Discover, and American Express credit and debit card payments online. The processor will charge a 2.5% service fee for credit and debit card payments in addition to the ASU payment amount. The service fee is not paid to ASU and is non-refundable, even if related payment to ASU is refunded. Credit and debit card payments may be made on QuikPAY by logging in to My ASU (my.asu.edu). Click on the "Finances" link on the upper left side, then click "Make a Payment" to be directed to the online payment processor. Credit and debit card payments are not accepted by mail, in person, or over the phone.

International Payments

ASU has partnered with peerTransfer to offer a streamlined and cost effective payment method for you to make international payments to ASU through QuikPAY. Initiate your international wire transfer payment at least one week before the applicable due date to ensure timely receipt.

Personal Checks

Checks payable to Arizona State University and without restrictive endorsement are generally acceptable. Mail checks to Cashiering Services, Arizona State University, PO Box 870303, Tempe, AZ 85287-0303. Include your ASU ID number. Check payments should be mailed at least two weeks prior to the applicable tuition due date to avoid automatic enrollment in the Tuition Installment Plan. Check payments are also accepted in person at all campuses. **See Tuition Hours on page 14.**

Residency Classification

Residency (tuition) status is initially determined by the application for admission at the time a student applies to the University. Non-resident students who feel they may qualify for resident tuition status must file a petition for reclassification no later than the last day of regular registration. For general information about the requirements, consult the ASU General Catalog or the web at students.asu.edu/residency. Residency classification is a complex process and you are encouraged to petition early during the reclassification period. It is recommended that you submit the appropriate residency petition form and requested supporting documentation along with your \$50.00 non-refundable petition fee to the Residency Classification Office by the appropriate deadline date. Deadline for submitting a reclassification petition for Fall 2014 is August 27, 2014. Failure to petition by the last day of regular registration constitutes a waiver of the student's rights for residency reclassification or appeal for the current semester.

Citizenship or Lawful Presence Requirement

Arizona law requires that students who are seeking consideration for in-state tuition status or aid that is funded in part or in whole by state money to provide verification of citizenship, permanent residency or other lawful immigration status. Most students will be able to be verified through automatic processes such as the financial aid application ([FAFSA](#)). Students choosing to go through the FAFSA process should be verified no later than the beginning of July for the Fall term, December for the Spring term and May for the summer term. If the FAFSA has not cleared the verification requirement by the recommended month it is highly possible that documentation is still required.

Tuition and Fees, cont.

ASU Payment Plan

The ASU Payment Plan provides students with the option to budget payment of certain eligible university charges over several months. Eligible charges are tuition, housing, meal plan and health insurance. Students may enroll themselves in the plan through my.asu.edu or they will be automatically enrolled if tuition charges are not paid in full by the applicable due date. There is a per-semester non-refundable fee of \$100 for resident students and \$200 for non-resident students. For information on how the fees are broken down, go to students.asu.edu/tuitioninstallmentplan. Please note that the enrollment fee is non-refundable, even if the student withdraws from classes.

All students are eligible to enroll in the ASU Payment Plan after they register for classes. Once a student enrolls for classes, he or she will not be withdrawn from classes during the current semester for non-payment. Students must withdraw from classes if they decide not to attend. If students enrolled in the plan do not make scheduled payments, monthly late fees will be assessed until the account is brought current on payments, registration in future semesters will be blocked, and access to other University services, such as official transcripts and diplomas, will be withheld.

Tuition Payment with Financial Aid

Financial aid is posted to your student account and used to pay tuition and other student account charges, with any excess financial aid immediately refunded to you. Any institutional charges incurred after financial aid disbursement are the student's responsibility to pay by the due date. Financial aid awards generally only pay charges in the semester for which the aid is intended, and you may be refunded excess financial aid for one semester and still have a balance owed for another semester. If you receive a refund, ensure that all charges have been paid by logging in to My ASU (my.asu.edu) and select the "Finances" link on the upper left side.

For students with accepted financial aid sufficient to cover tuition charges, financial aid will automatically pay tuition charges and no further action is necessary. Students with unpaid tuition charges in excess of pending aid will be automatically enrolled in the ASU Payment Plan.

Note: If financial aid is not awarded and accepted by the tuition due date, tuition charges must be paid in full to avoid automatic enrollment in the ASU Payment Plan and assessment of the non-refundable ASU Payment Plan fee of \$100 for resident students and \$200 for non-resident students.

By registering for classes you agree to pay all applicable tuition and registration fees. Classes are not automatically cancelled for non-attendance or non-payment.

Taxability of Scholarships and Fellowships: Scholarships, grants, fellowships and stipends (but not loan funds) are taxable income to the recipient, except for the portion of these funds used for tuition, registration, other University fees, and books, supplies and equipment required for the courses being taken. Special tax regulations also apply to non-resident alien students and may require withholding of taxes at the time of aid disbursement to these individuals. Information on the taxability of scholarships can be obtained from the following IRS publications and forms: Publication 970, Tax Benefits for Education, Pub 519-U.S. Tax Guide for Aliens, Form 1040EZ and instructions - Income Tax Return for Single and Joint Filers with No Dependents, Form 1040NR and instructions - U.S. Non-resident Alien Income Tax Return. These publications and forms can be obtained from the Internal Revenue Service at their toll free number 1.800.829.FORM or online at www.irs.gov.

The Student Financial Assistance Withdrawal Policy will apply when a student receives financial aid funds and subsequently withdraws, drops out, takes an unapproved leave of absence, fails to return from an approved leave of absence, is expelled, or otherwise fails to complete the period of enrollment for which he or she was charged. **See page 8 in this handbook or online at students.asu.edu/financialaidpayment.**

Students with loans who would like to cancel or reduce their loans must inform the Student Financial Assistance Office in person within 14 days of the disbursement.

Tuition and Fees, cont.

Tuition Payment with Prepaid or College Savings Plans

Prepaid or College Savings Plan payments made payable to Arizona State University are generally accepted. Mail checks to Cashiering Services, Arizona State University, PO Box 870303, Tempe, AZ 85287-0303. Include the student's ASU ID number. Prepaid or College Savings Plan payments should be mailed at least two weeks prior to the applicable tuition due date to avoid automatic enrollment in the ASU Payment Plan and assessment of the non-refundable installment plan fee. Notification to Arizona State University of pending payments by the Prepaid or College Savings Plan does not exempt a student from automatic enrollment in the ASU Payment Plan and assessment of the non-refundable installment plan fee.

Sponsorship by Approved Governmental and Third-Party Agencies

Submit sponsorship authorization in person at the Student Accounts Office, by fax to 480.965.9242, or by e-mail sponsorbilling@asu.edu. Failure to do so by the tuition payment deadline will result in automatic enrollment in the ASU Payment Plan and assessment of a non-refundable enrollment fee of \$100 for resident students and \$200 for non-resident students. An acceptable letter of authorization must be submitted to the Student Accounts Office by September 10, 2014.

A **\$75 per semester** Sponsored Tuition Fee will be assessed to each sponsored student. Sponsored students are responsible for all tuition, fees, and late charges if the sponsoring agency fails to pay by the due date of the invoice. Questions about third party sponsorship may be directed to the Student Accounts Office at 480.965.2436 or 480.965.4029.

International students who are required to carry student health insurance and are using coverage through their sponsor must receive approval from ASU Campus Health Services, Room 124, 480.965.2411. Governmental and Third-Party Agencies must have offices in the United States with invoices directed to a U.S. address.

Tuition Payment Hours and Locations

Tempe campus	West campus	Polytechnic campus	Downtown Phoenix campus
Student Services Bldg, 2nd Floor	University Center Bldg, Ste 101	Student Affairs Complex, QUAD 2, Bldg 350	University Center Bldg, Ste 112
480.965.7468	602.543.6708	480.727.1081	602.496.2274
M-F 8:15am - 4:30pm	M-F 8:15am - 4:30pm	M-F 8:30am - 4:30pm	M-F 8:15am - 4:30pm
Offices are closed in observance of the following holidays: Labor Day—September 1, 2014 Veteran's Day—November 11, 2014 Thanksgiving—November 27-28, 2014 Holiday Break—December 25-26, 2014			

Employee Reduced In-state Tuition

Partial waivers are available to faculty and staff who are employed at least 50% time within the state University system, and to their spouses and dependent children. Employees must fill out the Employee Tuition Waiver Form every semester they attend, which can be obtained at Human Resources, the Student Accounts Office, or at asu.edu/hr/forms/index.html. The completed form may be submitted to Student Accounts (Tempe Campus), Student Services Building Room 230, or at the West, Polytechnic, or Downtown Phoenix campus Cashiering Offices. The form may also be faxed to 480.965.9242. The tuition waiver does not cover 100% of your tuition and fees. The non-waived portion of the tuition and fees will be billed on your student account and should be paid by the due date to avoid late fees.

Please submit early.

Tuition and Fees, cont.

Non-residents are not eligible for Tuition Waivers. Please contact Residency Classification at 480.965.7712. Residency processing can be time-consuming, so apply early. You must be employed on the first day of the semester to be eligible for employee reduced in-state tuition. Employee Tuition Waivers must be processed by the Student Accounts Office on or before the first day of the session to qualify for reduced tuition. Waivers submitted after the first day of the session will not be accepted and you will be held responsible for the full tuition and fees.

Graduate Assistants

Students identified as Research and Teaching Assistants receive tuition assistance if they meet employment and class enrollment requirements. RA/TA remissions do not cover 100% of tuition and fees. If eligible for a remission, the remaining tuition and fees will be billed on your student account with a October 25, 2014 due date.

Differential Tuition and Program Tuition

Certain graduate, undergraduate, colleges and programs assess additional differential tuition and program tuition which differs according to college and/or program. Contact your program advisor for details on these fees or see the Tuition Estimator at students.asu.edu/costs.

Excess Hours Tuition

The Arizona Legislature enacted legislation in 2005 (A.R.S. § 15-1626) that establishes credit hour thresholds for undergraduate students who attend a public university in Arizona. Undergraduate students who enroll for credit hours beyond the applicable threshold of 145 hours are required to pay a tuition surcharge. The tuition surcharge is billed in addition to tuition, program tuition, mandatory fees and class fees. See students.asu.edu/tuitionandfees for additional information.

Special Class, hybrid and icourse Fees

Special class, hybrid and iCourse fees are assessed based on

enrollment in specific classes. Class fees are published with each class through [class search](#).

Financial Aid Trust Fee

All students are assessed a mandatory financial aid trust fee as authorized by the Arizona Legislature to create a Financial Aid Trust Fund, from which Financial Aid Trust Grants are awarded under the usual aid eligibility criteria. Fees collected from students are matched by the State of Arizona. See the Tuition and Fees Schedule at students.asu.edu/tuitionandfees.

Technology Fee

All students are assessed a mandatory technology fee as authorized by the Arizona Board of Regents to fund technology initiatives and improve access on all campuses. See the Tuition and Fees Schedule at students.asu.edu/tuitionandbilling.

Student Programs Fee

All students are assessed a mandatory student programs fee as authorized by the Arizona Board of Regents to provide funding for new or enhanced facilities and student support programming. See the Tuition and Fees schedule at students.asu.edu/tuitionandfees.

Tuition and Fees, cont.

Recreation Fee

All students are assessed a recreation fee allowing access to recreation facilities on all four ASU campuses. See the Tuition and Fees Schedule at students.asu.edu/tuitionandfees. Faculty/staff who are attending classes and all online students are not assessed the recreation fee. Please contact the Student Recreation Complex at 480.965.8900 for information on how to become a member.

Health and Wellness Fee

All students are assessed a health and wellness fee as authorized by the Arizona Board of Regents to enhance services for students who seek both preventative and acute care and to expand outreach and wellness education and services.

Student Service Facility Fee

All students are assessed a Student Services Facility Fee as authorized by the Arizona Board of Regents to provide funding for new and enhanced student service facilities. See the Tuition and Fees schedule at students.asu.edu/tuitionandfees.

Late Registration Fee

All students who register Thursday, August 13, 2014 and after, will be **assessed a late registration fee of \$50.00**. Registration after the published deadline may be permitted under extraordinary circumstances if approved by an authorized College designee. Late fees are not refundable.

Tuition Receipt

For students requiring tuition receipts for insurance, reimbursement, or other reasons, login to my.asu.edu and select the "Finances" link on the upper left side, then click View History and select the Tuition Receipt tab at the top of the page. For in person assistance or additional documentation, see campus locations under "Tuition Payment Hours", page 14.

Delinquent Financial Obligations

Students with delinquent accounts will not be allowed to register for classes or obtain official transcripts or diplomas. The University reserves the right to involuntarily withdraw students with severely delinquent accounts from current semester courses. University billings not paid by the due date are subject to monthly

late charges beginning 30 days past due and continuing monthly until paid in full. The monthly late charge for past due balances between \$20-\$50 is \$5, for balances between \$51-\$400 is \$10, for balances between \$401-\$1,000 is \$25, for balances between \$1,001-\$3,000 is \$50, for balances between \$3,001-\$5,000 is \$75, and for balances greater than \$5,000 is \$100. Former students with outstanding charges may be referred to an outside collection agency with late fee assessment continuing monthly until paid in full.

Returned Checks

A \$25 fee is assessed for returned checks and eChecks. Students with multiple returned checks or eChecks are subject to a permanent registration hold requiring advanced payment in secure funds prior to registration or access to other University services.

Student Health Insurance

Eligibility: Group Health insurance is available to:

- **Undergraduate students** registered for at least seven units or have a consortium agreement to take courses at another qualified college with an overall credit hour total of at least seven units
- **Graduate students** enrolled in degree or certificate programs, and taking at least three credit hours or one dissertation/thesis hour
- **Group Health Insurance** is available to undergraduate students registered for at least seven units, or have a consortium agreement to take courses at a qualified college with an overall credit hour total of at least seven units, graduate students enrolled in degree or certificate programs, and taking at least 3 credit hours or one dissertation/thesis hour. Student Health Insurance enrollment is an available option through My ASU (my.asu.edu) by selecting Health and Wellness in the Quick Links. Open enrollment is online through the first two weeks of class.
- **International student** enrollment in Student Health Insurance is mandatory and the cost of insurance is automatically added to registration fees. Waiver exception may apply. For additional information or waiver application <http://students.asu.edu/internationalstudenthealth>

Tuition and Fees, cont.

Student Health Insurance enrollment is available through My ASU (my.asu.edu) by selecting Health and Wellness in the Quick Links box on the left-hand side of the page. Once enrolled for Student Health Insurance, you will be automatically re-enrolled into the plan each subsequent semester once you have registered for classes. The premium will be billed to your student account.

Coverage may be added or dropped until September 3, 2014. Complete withdrawal from the University on or before September 3, 2014 will not result in automatic cancellation of student health insurance. Go to my.asu.edu and select Health and Wellness in the Quick Links box on the left-hand side to cancel enrollment in student health insurance. The insurance **cannot** be cancelled if complete withdrawal from the University occurs after September 3, 2014 or if the insurance has been utilized.

Additional information about coverage, eligibility, spouse and dependent coverage, cost, payment options and coverage limits, can be found at students.asu.edu/health or [Aetna Student Health enrollment information](#).

Institutional Refund Policy

Tuition and Fees

Tuition and fees are subject to a 100% refund if enrollment is officially cancelled within the refund period. In the Fall semester, for classes eight weeks or longer, the refund period is two weeks, and for classes shorter in length the refund period is one week. Additional information can be found at <https://students.asu.edu/tuitionrefundpolicy>.

Beginning the first day of classes, undergraduate students are required to work with the College of their major to facilitate the withdrawal process.

The 100% refund period is one week for sessions shorter than eight weeks and dynamically dated classes. All refunds are less any amounts owed to the University and are subject to payment holding periods. Students withdrawing for medical or other extenuating circumstances must contact their college to initiate the process. Tuition is non-refundable after the first week of these sessions/classes.

The University provides a prorated refund for students receiving financial aid; therefore, the refund schedule is the minimum amount refundable to these students. Withdrawal or cancellation occurs on the calendar day that withdrawal is processed either in person at any Registrar site or online using My ASU. See [stu-dents.asu.edu/financialaidpayment](https://students.asu.edu/financialaidpayment) for the Financial Aid Withdrawal Policy.

Student Account Refund (Disbursement)

Financial aid is posted to your student account and used to pay University charges such as tuition, Residential Life, meal plan and health insurance fees. Refunds of excess financial aid will be processed beginning the week before classes and will continue to be processed throughout the semester. Any changes to your schedule that results in a fee increase or any other fees incurred after financial aid disbursement, will be your responsibility to pay by the due date. You may view details of your student account, including financial aid refunds, by logging into my.asu.edu and select the "Finances" link on the upper left side, then clicking "View History".

Note: To receive your financial aid refund beginning the week before classes, you must register for classes, complete your financial aid packet, and accept your loans at least two weeks before the semester begins. Financial aid refunds will be mailed or direct deposited to your bank account.

Refund by direct deposit to your bank account is available and is the most convenient way to receive student account refunds. Direct deposit enrollment is available at My ASU (my.asu.edu) by selecting the "Finances" link on the upper left side, and clicking "Direct Deposit" in the Financing Tasks box under "Manage Payments". Further information is available at students.asu.edu/tuitionandbilling or in the Student Accounts Office on the 2nd floor of the Student Services Building (Tempe campus). Direct deposit enrollment must be completed a minimum of two weeks prior to your refund being issued. For students not enrolled in direct deposit, or who do not meet the direct deposit enrollment deadline, refund checks will be mailed. Keep your mailing address up to date to ensure that refund checks are received in a timely manner. View and update your address on My ASU by clicking on "My Profile" in the top-right corner. If you request a replacement check there is a \$20 per check reissue fee. **All student account refund checks will be mailed.**

Transportation Options

For all transportation related inquiries, including parking permit rates and locations, free campus shuttle service, Valley Metro bus and METRO light rail passes, and visitor parking, please visit the ASU Parking and Transit Services website at <http://parking.asu.edu>.

Tempe campus	West campus	Polytechnic campus	Downtown Phoenix campus
University Towers Suite 105 525 S. Forest Avenue Tempe, AZ 85287	Welcome & Information Bldg 4776 W. University Way N. Glendale, AZ 85069	Quad 4 7107-4 E. Tiburon Mesa, AZ 85212	University Center Suite 116 411 N. Central Avenue Phoenix, AZ 85004
480.965.6124	480.965.6124	480.965.6124	480.965.6124

Campus Maps

Utilizing www.asu.edu/map is a great resource for finding your way around any of the ASU campuses, finding public parking, wireless computing zones, buildings and facilities such as bookstores, computer labs, and more. By clicking on the link below, you can use the tabs at the top of the page to see the individual map of each location.

Tempe campus, West campus, Polytechnic campus,
Downtown Phoenix campus, Research Park, and Skysong

<http://www.asu.edu/map/interactive/>

Ombudspersons

While all faculty and staff within the University community serve to facilitate matters, the following individuals have been designated to serve as ombudspersons (impartial fact-finders and problem solvers). They have no power to reverse or change decisions but have conciliation skills to help resolve matters.

Chair	Paul Karoly	College of Liberal Arts and Sciences	480.965.5404
Academic / Student Affairs	P.F. Lengel	College of Liberal Arts and Sciences	480.965.6506
	Kaylen Cons	Student Affairs	480.965.5302
	Patrick O'Rourke	Residential Life	480.965.1543
Academic Professionals	Dick Filley	Ira A. Fulton School of Engineering	480.727.5252
	Elaine Rostad	Student Services	602.496.2153
Staff Personnel	Michelle Johnson	ASU Gammage	480.965.5062
Tempe Campus	Barzin Mobasher	Ira A. Fulton School of Engineering	480.965.0141
	Paul Karoly	College of Liberal Arts and Sciences	480.965.5404
	Ronald Rutowski	College of Liberal Arts and Sciences	480.965.4369
	Tamara Underiner	Herberger Institute of Design and the Arts	480.965.7323
West Campus	Duku Anokye	New College of Interdisciplinary Arts and Sciences	602.543.6020
Polytechnic Campus	Jean Stutz	College of Technology and Innovation	480.727.1234
	Narcisco Macia	College of Technology and Innovation	480.727.1528
Downtown Campus	Beatrice Kastenbaum	College of Nursing and Health Innovation	602.496.1408
	Edwin Gonzalez-Santin	College of Public Programs	602.496.0101
	Kevin Ellsworth	School of Letters and Sciences	480.727.7090

University Policies

Family Educational Rights and Privacy Act

General Information

The federal Family Educational Rights and Privacy Act (also known as FERPA, and/or the Buckley Amendment) affords students certain rights with respect to their education records. They are:

1. The right to inspect and review the student's education records within 45 days of the day the University receives a request for access.

Students should submit to the registrar, dean, head of the academic department, or other appropriate official, written requests that identify the record(s) they wish to inspect. The University official will make arrangements for access and notify the student of the time and place where the records may be inspected. If the records are not maintained by the University official to whom the request was submitted, that official shall advise the student of the correct official to whom the request should be addressed.

Note: Students must provide photo identification in order to access their education records.

2. The right to request the amendment of the student's education records that the student believes are inaccurate or misleading.

Students who believe their record is inaccurate or misleading should write to the University official responsible for the record. Clearly identify the part of the record they want changed, and specify why it is inaccurate or misleading.

If the University decides not to amend the record as requested by the student, the University will notify the student of the decision and advise the student of his or her right to a hearing about the request for amendment. Additional information about the hearing procedures will be provided to the student when notified of the right to a hearing.

Note: FERPA does not address grade disputes or grievances which are pursued through other University and/or college procedures.

3. The right to consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that FERPA authorizes disclosure without consent.

One exception which permits disclosure without consent is disclosure to school officials with legitimate educational interest. School officials are administrators, faculty, professional staff, academic advisors, clerical or support employees, including ASU law enforcement unit personnel and ASU health staff, volunteers, a person or company with whom the University has contracted as its agent, acting with legitimate educational interest to provide a service instead of using University employees or officials (such as an attorney, auditor, collection agent, service provider); a person serving on the Board of Regents; staff in the Alumni Association and ASU Foundation offices, or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

Additional exception categories may be found in SSM 107-01: Release of Student Information which is located on the web at <http://www.asu.edu/aad/manual/ssm/ssm107-01.html>

A school official has a legitimate educational interest if the interest in an education record is justified under one or more of the following conditions:

- The information or records requested are relevant and necessary to accomplish some task or determination related to the legitimate educational interest of the student;
- the official needs to review an education record in order to fulfill his or her professional responsibilities for the University;
- the task or determination is an employment responsibility or a properly assigned subject for the inquirer's determination and/or
- the task or determination is consistent with the purpose for which the records, information, or data are maintained.

Note: A parent of a dependent student may challenge denial of access to the dependent student's record by producing the most current copy of Internal Revenue Form 1040. (Dependency is defined in Section 152 of the Internal Revenue Code.) If that form lists the student in question as a dependent, the parent

University Policies, cont.

will be required to sign an Affidavit of Dependency which affirms that the student is his/her tax dependent. The affidavit will be retained by the University Registrar Services and must be renewed each tax year. Upon receipt of these documents, the dependent student records will be made available to the parent as specified under FERPA.

4. The right to file a complaint with the U.S. Department of Education concerning alleged failures by Arizona State University to comply with the requirements of FERPA. Students are encouraged to first contact the University Registrar's Administration Office at 480.965.7302. A complaint may be filed with the Department of Education at the following address:

Family Policy Compliance Office

U.S. Department of Education

400 Maryland Avenue, SW

Washington, DC 20202

Definitions:

Student is any individual formally admitted and is or has been in attendance at ASU. The term does not apply to applicants for admission, nor does it apply to persons who have been admitted but who have not registered.

Education Record is any record(s) directly related to a student and maintained by Arizona State University or by a party acting for the University. This includes any information or data recorded in any medium, including, but not limited to: handwriting, print, computer media, video or audio tape, film, microfilm, and microfiche.

Directory Information (or releasable information) is general information that may be released to anyone without the consent of the student, unless the student indicates otherwise, except to the extent that FERPA authorizes disclosure without consent, including:

- Student Name
- Addresses (e.g., local, home, mailing and ASU e-mail, including directory number)

- Telephone Number(s)
- Date of Birth
- College
- Major
- Academic Level
- Dates of Attendance
- Enrollment status (e.g., undergraduate or graduate, full-time or part-time)
- Most Recently Attended Institution
- Participation in Officially Recognized Activities/Sports
- Weight/Height of Members of Athletic Teams
- Degrees, Honors and Awards Received (including National Merit, National Achievement, and National Hispanic Scholars)

Personally Identifiable Information (or non-releasable information) includes all information not defined as directory information, plus any information including directory information that the student has instructed ASU not to release. Personally identifiable information may not be released without the prior written consent of the student, except to the extent that FERPA authorizes disclosure without consent.

Student Control of Directory Information

Students may control release of directory information by submitting the appropriate form to any University registration location.

Unless otherwise requested, a student's name, email address, academic level, college and major may appear in the directory of faculty, staff, and students on ASU's web directory. To avoid the release of directory information in the printed directory, complete the appropriate form located at students.asu.edu/forms/withhold-directory-information-request.

University Policies, cont.

ASU has a policy that regulates and permits the sale of enrolled student directory information only through the University Registrar's Office. Unless otherwise directed by the student, directory information is subject to sale to outside purchasers.

Students accessing education records or receiving University services must provide proof of identification.

Questions or requests for additional information may be directed to any University registration location. Additional information, including FAQ's, is available on the web at

<http://students.asu.edu/policies/ferpa>.

Discrimination Complaints

Complaints of alleged discrimination in employment and educational programs and activities on the basis of race, color, religion, national origin, sex, gender identity, sexual orientation, age, disability, and qualified veteran statuses may be referred to the Office of Equity and Inclusion for review, investigation and resolution. All employees and students may visit with the Office of Equity and Inclusion to discuss any concerns without fear of jeopardizing their job or academic standing with the University.

Title IX Compliance

Title IX of the Education Amendments of 1972 protects individuals from discrimination based on sex in any educational program or activity operated by recipients of federal financial assistance. Sexual harassment, which includes acts of sexual violence, is a form of sex discrimination prohibited by Title IX.

ASU is committed to providing an environment free from discrimination based on sex and provides a number of resources and services to assist students, faculty and staff in addressing issues involving sex discrimination, including sexual violence. The following conduct shall constitute a violation of Title IX:

1. Making sexual advances or requesting sexual favors if submission to or rejection of such conduct is the implicit or explicit basis for imposing or granting terms and conditions of employment or education at the University;
2. Making sexual advances, requesting sexual favors, or otherwise discriminating on the basis of gender in a manner that unlawfully creates an intimidating, hostile, or offensive

working, residential, or educational environment at the University or that otherwise unlawfully interferes with an individual's work or educational performance;

3. Engaging in any sexual contact against a person who has not given consent or committing any act of sexual assault, public sexual indecency or sexual abuse against a person who has not given consent, if the act is committed on University property or in connection with any University sponsored event or activity;
4. Acting, recommending action, or refusing to take action in a supervisory position in return for sexual favors, or as a reprisal against a person who has rejected, reported, filed a complaint regarding, or been the object of sexual harassment; or
5. Disregarding, failing to investigate, or delaying investigation of allegations of sexual harassment to the extent that action, reporting, or investigation is appropriate or required by one's supervisory position.

A consensual amorous relationship may lead to sexual harassment or other breaches of professional obligations, particularly if one of the individuals in the relationship has a professional responsibility toward or is in a position of authority with respect to the other, such as in the context of instruction, advisement, or supervision. Due to the power difference, it may be difficult to avoid the appearance of favoritism or to assure a truly consensual relationship. Amorous relationships may result in conduct that amounts to sexual harassment or that violates the professional duties of even-handed treatment and maintenance of an atmosphere conducive to learning or working.

University Policies, cont.

Specifically, if involved in an amorous relationship with someone over whom he/she has supervisory authority, the individual must remove himself/herself from any participation in recommendations or decisions affecting evaluation, employment conditions, instruction, or the academic status of the other person in the relationship, and must inform his/her immediate supervisor.

Contact the Office of Equity and Inclusion for information or assistance:.

Office of Equity and Inclusion Office of Title IX Coordinator
University Center Bldg A 1100 E. University Drive Tempe, AZ 85281
480.965.5057 (All Campuses)

Accommodations for Students with Disabilities

To facilitate the availability of reasonable and effective disability accommodations from the first day of class, qualified students must use the following process:

- Register for classes on their assigned priority enrollment date, and
- Request disability accommodations, from the applicable campus Disability Resource Centers, immediately following Priority Enrollment.

Note: Some accommodations, including but not limited to: alternative print formats, (e.g., Braille, e-text, large print), interpreting services, lab materials conversions, assistive technology, and the hiring of lab assistants, may require up to one semester in preparation time.

Returning Students: to request accommodations for ASU classes, go to <https://eooss.asu.edu/drc> and sign into DRC Connect.

New Students: please go to <https://eooss.asu.edu/drc> and sign in to DRC Connect. You will then need to submit an application to register with the DRC. Follow the prompts. If you have questions, do not hesitate to contact one of our offices below.

Contact Information: You can reach any of our Disability Resource Center offices by utilizing the information below:

DRC Phone number: (480)965-1234

DRC Fax number: (480)965-0441

DRC e-mail address: DRC@asu.edu

NOTE: For documentation questions please see: <http://www.asu.edu/aad/manuals/ssm/ssm701-02.html> . Disability information is kept confidential.

Tempe campus	West campus	Polytechnic campus	Downtown Phoenix campus and Tucson School of Social Work
Matthews Center, Room 143	University Center Building, Room 130	Sutton Hall, Room 240	University Center Building, Suite 160
480.965.1234	602.543.8145	480.727.1039	602.496.4321
DRCTempe@asu.edu	DRCWest@asu.edu	DRCPoly@asu.edu	DRCDowntown@asu.edu
Monday–Friday / 8:00am–5:00pm			

Directory of Selected Campus Services, Resources, and Contacts

Campus	Phone	Email	Location	Mailing Address
Tempe campus	480.965.9011	askasu@asu.edu	University Dr. and Mill Ave., Tempe, AZ	See: asu.edu/contactasu/addressing
West campus	602.543.5500	westinfo@asu.edu	4701 W. Thunderbird Rd., Glendale, AZ 85306	PO Box 37100, Phoenix, AZ 85069-7100
Polytechnic campus	480.727.3278	poly@asu.edu	Power Rd. and Williams Field Rd., Mesa, AZ	7001 E. Williams Field Rd, Mesa, AZ 85212
Downtown Phoenix campus	602.496.INFO (4636)	askdpc@asu.edu	411 N. Central Ave., Phoenix, AZ 85004	See: asu.edu/contactasu/addressing
University Registrar Services				
Campus	Phone	Fax	Location	Mailing Address
Tempe campus	480.965.3124	480.965.7722	Student Services Bldg, Rm 140	PO Box 870312 Tempe, AZ 85287
West campus	602.543.8203	602.543.8312	University Center Bldg, Rm 120	PO Box 37100 Phoenix, AZ 85069
Polytechnic campus	480.727.1142	480.727.1008	Administration Bldg	5990 S. Sterling Mall, Mesa, AZ 85212
Downtown Phoenix campus	602.496.4372	602.496.0376	University Center Bldg, Rm 130	411 N. Central Ave., Phoenix, AZ 85004
Residency Classification				
Campus	Phone	Fax	Email	Location and Mailing Address
Tempe campus	480.965.7712	480.727.6630	residency@asu.edu	Student Services Bldg, Rm 140 PO Box 870312 Tempe, AZ 85287
Student Business Services				
Department	Phone	Fax	Location	Mailing Address
Collections	480.965.5220	480.965.4587	Student Services Bldg, Rm 234	PO Box 870303 Tempe, AZ 85287-0303
Student Financial Assistance				
Campus	Phone	Fax	Email	Location and Mailing Address
Tempe campus	855.278.5080	480.965.9484	<u>N/A</u>	Student Services Bldg, 2nd Floor PO Box 870412 Tempe, AZ 85287
West campus	855.278.5080	480.965.9484	<u>N/A</u>	University Center Bldg, Rm 120 PO Box 37100 Phoenix, AZ 85069
Polytechnic campus	855.278.5080	480.965.9484	<u>N/A</u>	Administration Bldg 5990 S. Sterling Mall Mesa, AZ 85212
Downtown Phoenix campus	855.278.5080	480.965.9484	<u>N/A</u>	University Center Bldg, Rm 166 411 N. Central Ave., Phoenix, AZ 85004
Student Employment Office				
Campus	Phone	Fax	Email	Location and Mailing Address
Tempe campus	480.965.5186	480.965.9816	seo@asu.edu	Student Services Bldg, 2nd Floor PO Box 870412, Tempe, AZ 85287

ASU Statement on Drug-Free Schools and Campuses

Under federal legislation entitled the Drug-Free Schools and Communities Act Amendments of 1989 ("Act"), no institution of higher education shall be eligible to receive funds or any other form of financial assistance under any federal program, including any federally funded or guaranteed student loan program, unless it has adopted and has implemented a program to prevent the use of illicit drugs and the abuse of alcohol by students and employees. The Act requires the annual distribution of the following information to students and employees.

Prohibition

It is the goal and policy of Arizona State University ("ASU") to provide a drug free environment for all University students and employees. To achieve this goal and to comply with federal law, ASU prohibits the unlawful sale, manufacture, distribution, dispensation, possession, and use of controlled substances on its property or as part of any of its activities.

Every ASU student and employee must abide by the terms of this statement, abide by applicable policies of the Arizona Board of Regents and Arizona State University, and abide by local, state, and federal laws regarding the unlawful possession or distribution of illicit drugs and alcohol.

ASU students and employees are subject to all applicable drug and alcohol policies, including policies set forth in the University's Staff Personnel Policies and Procedures Manual, the Academic Affairs Policies and Procedures Manual, University Student Services Manuals, and the ASU Police Department Policies and Procedures Manual. The following drug and alcohol policies also apply to students and employees: the Arizona Board of Regents' Code of Conduct and Student Code of Conduct and Arizona State University's Policy regarding alcohol and other drugs.

Sanctions

Sanctions under federal, state, and local law for the unlawful possession or distribution of illicit drugs and alcohol are serious and can range from civil sanctions to criminal convictions including fines and imprisonment. A listing of Arizona penalties

can be found at www.azleg.gov/arizonarevisedstatutes.asp?title=13 and a listing of Federal penalties can be found at www.justice.gov/dea/agency/penalties.htm. Sanctions will be imposed on a student who violates a Board of Regents' or University drug or alcohol policy; those sanctions may include expulsion or suspension, and may also include the requirement that the student participate in a drug education program. Sanctions will be imposed on an employee who violates university drug or alcohol policies which may include termination of employment, progressive discipline, and may also include the requirement that the employee participate in a drug education program.

Health Risks

A. Alcohol

Alcoholic consumption causes a number of marked changes in behavior. Even low doses significantly impair the judgment and coordination required to drive a car safely, increasing the likelihood that the driver will be involved in an accident. Low to moderate doses of alcohol also increase the incidence of a variety of aggressive acts, including spouse and child abuse. Moderate to high doses of alcohol cause marked impairments in higher mental functions, severely altering a person's ability to learn and remember information. Very high doses cause respiratory depression and death. If combined with other depressants of the central nervous system, much lower doses of alcohol will produce the effect just described.

Repeated use of alcohol can lead to dependence. Sudden cessation of alcohol intake is likely to produce withdrawal symptoms, including severe anxiety, tremors, hallucinations, and convulsions. Alcohol withdrawal can be life threatening. Long-term consumption of large quantities of alcohol, particularly when combined with poor nutrition, can also lead to permanent damage to vital organs such as the brain and the liver.

Mothers who drink alcohol during pregnancy may give birth to infants with fetal alcohol syndrome. These infants have irreversible physical abnormalities and mental retardation. In addition, research indicates that children of alcoholic parents are at greater risk than other youngsters of becoming alcoholics.

ASU Statement on Drug-Free Schools and Campuses, cont.

B. Illicit Drugs

A description of health risks associated with the use of illicit drugs is set forth in the attached Exhibit B.

Treatment, Counseling, and Rehabilitation Programs

Additional information regarding the health risks associated with the use of illicit drugs and the abuse of alcohol, drug awareness programs, and drug rehabilitation programs are available to employees and students through Student Health, the Employee Assistance Program and Counseling and Consultation. Classes on drug abuse are offered in the School of Social Work, Departments of Psychology and Counseling, the College of Nursing and the Human Resources Department.

The following offices have the ASU Statement on Drug-Free Schools and Campuses and will provide it on request:

- *Office of General Counsel*
- *Dean's Office in each ASU College*
- *Human Resources Department*
- *Division of Graduate Studies*
- *Provost Offices on each campus*
- *Student Employment*
- *Office of Research Development and Administration*
- *Student Life*

For further information about this statement or the Drug-Free Schools and Communities Act Amendment of 1989, contact the Office of General Counsel by calling 480.965.4550.

ASU Statement on Drug-Free Schools and Campuses, cont.

Controlled Substances – Uses & Effects

DRUGS CSA SCHEDULE		TRADE OR OTHER NAMES		MEDICAL USES		DEPENDENCE		TOLERANCE		DURATION (Hours)		METHODS OF ADMINISTRATION		POSSIBLE EFFECTS		EFFECTS OF OVERDOSE		WITHDRAWAL SYNDROME	
NARCOTICS						Physical	Psychological												
II III IV II III IV II III IV I II II II I III IV V	Opium	Dover's Powder, Paregoric, Propacetamol		Anesthetic, antidiarrheal		High	High	Yes		3-6		Oral, smoked		Euphoria,		Slow and		Watery eyes, runny	
	Morphine	Morphine, MS Contin, Roxanol, Roxanol-SR		Anesthetic, antidiarrheal		High	High	Yes		3-6		Oral, smoked, injected		drowsiness,		shallow		nose, yawning, loss	
	Codine	Tylenol w/Codine, Empirin w/Codine		Anesthetic, antidiarrheal		Moderate	Moderate	Yes		3-6		Oral, injected		respiratory		breathing,		of appetite, irritability,	
	Heroin	Robaxan A.C. Flomax w/Codine		None		High	High	Yes		3-6		Injected, sniffed, smoked		clammy skin,		convulsions,		tremors, panic,	
	Hydromorphone	Diacetylmorphine, Norla, Smack		Anesthetic		High	High	Yes		3-6		Oral, injected		constricted		coma, possible		cramps, nausea,	
	Meperidine (Pethidine)	Dilaudid		Anesthetic		High	High	Yes		3-6		Oral, injected		pupils, nausea		death		chills and sweating	
	Methadone	Demerol, Mepergan		Anesthetic		High	High	Yes		3-6		Oral, injected							
	Other Narcotics	Dolophine, Methadone, Methadone		Anesthetic, antidiarrheal		High-Low	High-Low	Yes		12-24		Oral, injected							
		Numbon, Percodan, Percocet, Tylox,		Anesthetic, antidiarrheal		High-Low	High-Low	Yes		Variable		Oral, injected							
		Tussionex, Fentanyl, Darvon, Lorazepam, Talwin ²		Anesthetic, antidiarrheal		High-Low	High-Low	Yes		Variable		Oral, injected							
DEPRESSANTS																			
IV II III IV IV I III III IV	Chloral Hydrate	Nocoid		Hypnotic		Moderate	Moderate	Yes		5-8		Oral		Slurred speech,		Shallow		Anxiety, insomnia,	
	Barbiturates	Amytal, Barbitol, Fiorinal, Lorazepam, Nembutal, Secobarbital, Phenobarbital		Anesthetic, anticonvulsant, sedative, hypnotic, veterinary anesthetic agent		High-Mod	High-Mod	Yes		1-16		Oral		disorientation,		respiration,		tremors, delirium,	
	Benzodiazepines	Alivan, Dalmane, Diazepam, Librium, Xanax, Serax, Valium, Tranexa, Vertran, Versed, Halcion, Paxipam, Halcion		Anxiolytic, anticonvulsant, sedative, hypnotic		Low	Low	Yes		4-8		Oral		drunken		clammy skin,		convulsions, possible	
	Methaqualone	Quaalude		Sedative, hypnotic		High	High	Yes		4-8		Oral		behavior		dilated pupils,		death	
	Glutethimide	Doriden		Sedative, hypnotic		High	Moderate	Yes		4-8		Oral		without odor of alcohol		weak and rapid			
	Other Depressants	Equanil, Miltown, Naludex, Placidyl, Valmid		Anxiolytic, sedative		Moderate	Moderate	Yes		4-8		Oral				possible death			
STIMULANTS																			
II II II II III IV	Cocaine ¹	Coke, Flake, Snow, Crack		Local anesthetic		Possible	High	Yes		1-2		Smoked, injected		Increased alertness,		Agitation,		Apathy, long periods	
	Amphetamines	Biphedamine, Decobene, Dexedrine, Dextroamphetamine, Adderall		Adrenergic, stimulant		Possible	High	Yes		2-4		Oral, injected		excitation,		increase in		of sleep, irritability,	
	Phenmetrazine	Preludin		Weight control		Possible	High	Yes		2-4		Oral, injected		euphoria,		body		disorientation	
	Methylphenidate	Ritalin		Weight control		Possible	Moderate	Yes		2-4		Oral, injected		increased pulse rate & blood pressure		temperature,			
	Other Stimulants	Adexon, Cylert, Dextro, Lisdex, Mefex, Plegone, Seroquel, Tenuate, Ritalin, Ritalin-2		Weight control		Possible	High	Yes		2-4		Oral, injected		hallucinations, convulsions,		hallucinations,		possible death	
HALLUCINOGENS																			
I I I I I I	LSD	Acid, Microdot		None		None	Unknown	Yes		8-12		Oral		Illusions and		Longer, more		Withdrawal	
	Mescaline and Peyote	Mesc, Buttons, Cactus		None		None	Unknown	Yes		8-12		Oral		hallucinations,		intense "trip"		syndrome not	
	Anphetamine Variants	2,5-DMA, PMA, STP, MDA, MDMA, TMA, DOM, DOB		None		Unknown	High	Yes		Variable		Oral, injected		poor perception		episodes,		reported	
	Phencyclidine	PCP, Angel Dust, Hog		None		Unknown	High	Yes		Days		Smoked, oral, injected		of time and		psychosis,			
	Phencyclidine Analogues	PCP, PCPy, TCP		None		Unknown	High	Yes		Days		Smoked, oral, injected		distance		possible death			
	Other Hallucinogens	Bufoetia, Boganine, DMT, DET, Psilocybin, Psilocybin		None		None	Unknown	Possible		Variable		Smoked, oral, injected, sniffed							
CANNABIS																			
I I I I I I	Marijuana	Pot, Apocynoid, Grass, Reefer, Sinsemilla, Thai		None		Unknown	Moderate	Yes		2-4		Smoked, oral		Euphoria,		Fatigue,		Insomnia,	
	Tetrahydrocannabinol	THC, Marinol		Canan-chemotherapy		Unknown	Moderate	Yes		2-4		Smoked, oral		relaxed		paranoia, possible		hyperactivity, and	
	Hashish	Hash		Antinauseant		Unknown	Moderate	Yes		2-4		Smoked, oral		inhibition,		le psychosis		decreased appetite	
	Hashish Oil	Hash Oil		None		Unknown	Moderate	Yes		2-4		Smoked, oral		increased		occasionally reported			
				None		Unknown	Moderate	Yes		2-4		Smoked, oral		appetite,					
				None		Unknown	Moderate	Yes		2-4		Smoked, oral		disoriented					
				None		Unknown	Moderate	Yes		2-4		Smoked, oral		behavior					
				None		Unknown	Moderate	Yes		2-4		Smoked, oral							
				None		Unknown	Moderate	Yes		2-4		Smoked, oral							
				None		Unknown	Moderate	Yes		2-4		Smoked, oral							

¹Designated a narcotic under the CSA²Not designated a narcotic under the CSA

Reprinted from Federal Register, Vol. 55, No. 159, Thursday, August 16, 1990: Rules & Regulations

Facts About ASU

Arizona State University enjoys a national reputation as a leading research institution. ASU produces more graduates than any other university in the state. Students from around the nation and the world choose ASU because of its diversity and quality of academic, student, and research programs, a beautiful campus setting, and the value of the ASU degree in today's world.

Academic Environment

ASU offers 163 bachelor's degree programs, 155 master's degree programs, 83 doctoral programs, and one law degree program.

Undergraduate Students

ASU enrolled 10,232 new freshmen for the Fall 2013 semester. **Of the new freshmen, 27.6% graduated in the top 10% of their high school class.** The average ACT composite score of first time freshmen is 24.1. The average SAT combined score is 1107.

ASU enrolled 7,992 new transfer students for the Fall 2013 semester with 54.2% of the new transfers coming from community colleges in Arizona.

The graduation rate for 2008 lower division transfer students graduating in 5 years or less was 62.9%

The graduation rate for 2009 upper division transfer students graduating in 4 years or less was 75.1%

Undergraduate Enrollment

ASU enrolled 62,089 undergraduates in the Fall 2013 semester. Seniors (Seniors: 22,288; Juniors: 17,542; Sophomores: 11,294; Freshmen: 10,691) compose the largest class, representing more than a quarter of the student body and over a third of the undergraduate enrollment. ASU enrolled students from every state and from 95 countries in the Fall 2013 semester.

Undergraduate Student Profile

36.3% are from ethnic minority backgrounds

5.3% are international students

The average age is 23.

Degrees Awarded

In 2012-2013, ASU awarded 13,913 bachelors, 4,163 masters,

636 doctoral and 204 law degrees.

The graduation rate for 2007 first time, full time freshmen graduation in six years or less was 58.6%. Information on students who transfer out from ASU is not recorded, therefore is not available.

University Policies

Undergraduate Policies and Procedures

Admission

Freshman Admission Requirements and Timelines

ASU welcomes applications from students with diverse academic backgrounds and interests. Freshman applicants who possess a high school diploma and meet the following requirements will be admitted to ASU.

- English - 4 years (composition/literature based)
- Math - 4 years - Algebra I, Geometry, Algebra II and one course requiring Algebra II as a prerequisite.
- Laboratory Science - 3 years total (1 year each from any of the following areas are accepted: Biology, Chemistry, Earth Science, Integrated Sciences, and Physics)
- Social Science - 2 years (including one year American History)
- Foreign Language - 2 years (same language)
- Fine Arts - 1 year

Applicants must also meet at least one of the following:

- Top 25% in high school graduating class
- 3.0 GPA in competency courses (4.0 = A)
- ACT 22 (24 nonresidents)*
- SAT Reasoning 1040 (1110 nonresidents)*

*ASU does not require the writing portion of these tests.

Applicants must successfully complete ASU competency requirement. Admission may be granted with one deficiency in no more than two competency areas. Deficiencies cannot be in both math and laboratory science. Students must earn a minimum 2.0 in any subject area. Most competencies may also be met by test scores or college courses. See Detailed Competency Requirements [2] for more information.

Higher Requirements for Some ASU Schools/Colleges Some colleges/schools have higher requirements for admission to their majors. To learn more about requirements, find the major of your interest at Degree Search [3]. You should select a second major on your application if your first choice has higher requirements.

Individual Review All students who don't meet the above standards will be evaluated through a process called Individual Review. Through this process Undergraduate Admissions will review all available information about a student's application, carefully considering all aspects of a student's academic background and accomplishments. Submission of an ACT or SAT test score is highly recommended. In some cases, additional information might be requested.

Home School Applicants ASU welcomes home school students and recognizes the unique academic experiences they contribute to our rich community of scholars. Please read additional admission information specifically for home school students [4].

General Educational Development (GED) Students may also meet admission requirements by submitting an official GED score of 500 or above.

Important dates for fall 2015

June 15, 2014 - Application for admission is available

Freshman Application for fall 2015 is available

Nov. 1, 2014 - VIP admission date

Complete your application for admission by this date (with official high school transcripts and application fee) to receive select benefits: expedited admission and scholarship decisions, priority access to Orientation and housing registration, and exclusive event invites and campus visit offers.

Jan. 1, 2015 – FAFSA Submit your FAFSA

Starting Jan. 1 you can file your FAFSA with ASU (school code 001081) to find out what financial aid you might be eligible for. Students can submit the FAFSA to ASU prior to applying and admission to the University; however, only students admitted into ASU degree seeking programs will be reviewed for and offered financial aid.

Feb. 1, 2015 - Priority admissions date

Complete your application for admission by this date to ensure you're considered for the maximum scholarship opportunities. Late applicants will be considered for university admission and financial aid, but ASU programs with higher admission standards will give priority consideration to applications submitted by this date.

March 1, 2015 – FAFSA Priority Deadline

File your FAFSA to ASU by this date to maximize the amount of financial aid you could qualify for. Eligible students who apply by this date have a greater chance of receiving need-based aid. We encourage you to submit your FAFSA even if the priority filing date has passed.

May 1, 2015 - Enrollment deposit date

Submit your enrollment deposit to ASU to become an official Sun Devil and secure your spot in our fall 2015 incoming class. After you submit your enrollment deposit you can register for your orientation date and submit your campus housing preferences.

Application steps

1. Complete the Undergraduate Admission Application. ASU prefers that you apply online [5].
2. Submit the nonrefundable application fee. The application fee is not a processing fee, it is required of all students, and is non refundable under any circumstances
 - o Arizona residents - \$50.
 - o Non-residents - \$65.
3. Have your ACT or SAT scores sent directly to ASU from ACT or College Board. ACT or SAT scores are required for merit scholarship consideration and for ASU course placement. It is also required for some majors, and can be helpful in the general admission process.
4. Applicants must request transcripts from each educational institution attended. Official transcripts must be mailed or sent electronically directly to Admission Services by the records office of the issuing institution(s). Transcripts delivered by hand will only be accepted if they are sealed in the original high school envelope. ASU does not accept transcripts transmitted by fax. High school transcripts must show GPA and date of graduation. ASU requires an English translation of all foreign-language transcripts.

ASU will review your application file once you have submitted all materials.

To see if you have any missing items, and to view your admission status, sign in at My ASU [6] using your ASURITE ID, which is sent to you after you apply for admission.

Mailing Address (All materials, all campuses)

Admission Services
Arizona State University
PO Box 870112
Tempe, AZ 85287-0112

Source URL: <https://students.asu.edu/freshman/requirements>

Links:

- [1] <https://students.asu.edu/contact/admissions>
- [2] <https://students.asu.edu/node/18>
- [3] <http://www.asu.edu/degreeearch>
- [4] <http://students.asu.edu/homeschool>

[5] <http://www.asu.edu/ugapp>

[6] <https://my.asu.edu/>

Steps for Freshman Enrollment for Newly Admitted Students

Congratulations, Sun Devil!

Welcome to the family! It's a big accomplishment to get accepted to a top tier university, like ASU. Be sure to complete these last few steps as soon as you can so nothing stands in your way as you start your new college chapter.

Once you're admitted

1. **Pay your enrollment deposit.**

Upon admission, first-time freshmen pay an enrollment deposit [1]. The deposit may be paid on My ASU [2].

2. **Join devil2devil on My ASU.**

Why wait for fall to start connecting with your classmates? Meet other new students, ask questions, win contests and find exclusive content in ASU's private social network: devil2devil.

3. **Get your parents connected**

We invite your parents to join the Sun Devil community. Family members can access helpful resources, connect with other families and subscribe to updates at ASU's parent website. [3]

4. **Apply for Financial Aid and Scholarships**

File the Free Application for Federal Student Aid [4] (FAFSA) by ASU's priority date of March 1 each year to maximize the amount of aid you receive. Eligible students who apply by this date have a greater chance of receiving need-based aid. The FAFSA can be filed beginning Jan. 1 of each year. ASU's Federal School Code is 001081.

Search and apply for private and departmental scholarships through ASU's scholarship website [5]. The general scholarship application, which is used for many ASU scholarships, is typically available in November and closed by Feb. 1. Read more about financial aid at ASU [6].

Remaining steps post deposit

1. **Customize Housing and Dining Preferences**

Now that you have submitted your enrollment deposit, you can customize your housing preferences. All freshmen are expected to live on campus in their Residential College, a comprehensive living and learning community that allows students to live with others who are pursuing similar academic disciplines. Residential Colleges provide students the opportunity to continue their learning outside of the classroom by connecting with the faculty and staff in the residential community, participating in peer group dialogues and engaging with academic support activities.

Visit My ASU [7] to view and customize your housing and dining options based on your campus and academic major.

Confirm your options early for a greater chance of receiving your living and dining preferences. If you have a potential roommate in mind who shares your academic program, you each must request the other as early as possible, so that we may have every opportunity to fulfill your request. Be sure you include each other's name, ASU ID number, and the same hall and Residential College preferences. Keep in mind, roommate requests are subject to space availability and are not guaranteed. If you are planning to live at home with your parents or have other special circumstances that prevent you from living on campus, you must request an on-campus housing exception. Read more about housing at ASU [8].

2. **Sign up for Orientation and Register for Classes**

ASU Orientation [9] is required for freshmen. At orientation, you can meet with an academic advisor and register for your first-semester courses. You will also meet other new Sun Devils and learn about university resources. Staff from a variety of departments — including University Housing and Student Financial Assistance, and members of the ASU Parents Association — will be on hand to answer your questions and welcome you to the university.

Before you go to Orientation

- a. Learn about ASU's Photo ID card options [10] so you can choose your card at orientation. This card allows you to complete all in-person transactions requiring a photo ID and gain access to library and other services.
- b. Submit MMR immunization verification form. You must submit your Measles, Mumps and Rubella (MMR) immunization form before attending ASU Orientation. You may receive an immunization at any ASU campus. Call for an appointment. Fees apply.

Downtown Phoenix campus 602-496-0721

Polytechnic campus 480-727-1500

Tempe campus 480-965-3349

West campus 602-543-8019

Learn more about ASU Health Services [11].

- c. Take math placement test [12] and send ACT or SAT scores. Be sure you're ready to register for classes at ASU Orientation. Take the math placement test well before you attend orientation. The university uses ACT and SAT scores to place you in the appropriate freshman English composition course. To check if ASU has your ACT or SAT scores on file, select Test Scores in the My Admission box on My ASU [7].

You won't be able to register unless you have taken care of both of these items.

3. **Explore Summer Sessions**

Get a jump start on your ASU experience by enrolling in summer sessions. Admission to ASU for the fall semester allows you to register for summer classes without submitting another application.

Plan to attend orientation early to consult with your advisor on both fall and summer class selection.

4. **Review Parking Permit and Transportation Services Options**

Learn about parking permits, campus shuttles, discounted bus and Metro Light Rail passes, Zipcar, carpooling and more at our Parking and Transit Services website [13].

5. **Pay Tuition and Fees**

Tuition charges will be billed to your student account and may be viewed online through My ASU [7] after registration (typically by July). By registering for classes, you agree to pay all applicable tuition and registration fees. If you decide not to attend, you must completely withdraw from all classes before the semester begins. If tuition is not paid by the applicable due date, or financial aid is not awarded and accepted by the due date, you will automatically be enrolled in the tuition installment plan and charged a nonrefundable enrollment fee.

Access online billing at My ASU [14]. Select My Finances then Make a Payment. Students are responsible for checking their ASU email account for notification of billing statements and to review their student account on My ASU for current information.

Read more about tuition and billing at ASU [15].

Source URL: <https://students.asu.edu/admitted>

Links:

- [1] <https://students.asu.edu/freshman/deposit>
- [2] <https://my.asu.edu/>
- [3] <http://parents.asu.edu/>
- [4] <http://www.fafsa.ed.gov/>
- [5] <https://students.asu.edu/scholarships>
- [6] <https://students.asu.edu/financialaid>
- [7] <http://my.asu.edu>
- [8] <http://housing.asu.edu/home>
- [9] <https://students.asu.edu/orientation>
- [10] <http://asu.edu/cardservices>

- [11] <https://students.asu.edu/health>
 [12] <https://students.asu.edu/math>
 [13] <https://cfo.asu.edu/pts>
 [14] <https://my.asu.edu>
 [15] <https://students.asu.edu/tuitionandbilling>

Contact Admissions

We aim to deliver services and resources to assist students in the admission and transition to ASU. Services include high school relations, community college relations, international student relations, scholar recruitment, application processing and new student orientation.

Are you a transfer student? Transfer Specialist [1]

Are you an international student? International Admission Specialist [2]

Are you a graduate student? Graduate Admissions Representative [3]

Admission Services Mailing Address

Have your test scores (such as ACT, SAT and TOEFL) and official high school and college transcripts sent from the issuing institution to the address below. Any written inquiries should be sent to this address as well.

Admission Services
 Arizona State University
 PO Box 870112
 Tempe, AZ 85287-0112

Office Locations

Downtown Phoenix campus	Tempe campus
Phone: 480-965-7788 Fax: 480-965-3610 Location: University Center Building, Suite 130 [4] Mailing Address: Admission Services Arizona State University PO Box 870112 Tempe, AZ 85287-0112 Monday - Friday 8:00 a.m. – 5:00 p.m.	Phone: 480-965-7788 Fax: 480-965-3610 Location: Student Services Building, Room 110_[5] Mailing Address: Admission Services Arizona State University PO Box 870112 Tempe, AZ 85287-0112 Monday: 8:00 a.m. – 4:00 p.m. Tuesday - Friday: 8:00 a.m. - 5:00 p.m.
Polytechnic campus	West campus
Phone: 480-965-7788 Fax: 480-965-3610	Phone: 480-965-7788 Fax: 480-965-3610

Location: Student Affairs Complex (Quad 1) Building #380 [6]	Location: University Center, Room 120 [7]
Mailing Address: Admission Services Arizona State University PO Box 870112 Tempe, AZ 85287-0112 Monday - Friday 8:00 a.m. – 5:00 p.m.	Mailing Address: Admission Services Arizona State University PO Box 870112 Tempe, AZ 85287-0112 Monday - Friday: 8:00 a.m. – 5:00 p.m.

Source URL: <https://students.asu.edu/contact/admissions>

Links:

- [1] <https://transfer.asu.edu/contact>
- [2] <https://students.asu.edu/intladmission>
- [3] http://graduate.asu.edu/prospect_form
- [4] <http://www.asu.edu/map/interactive/?campus=downtown&building=UCENT>
- [5] <http://www.asu.edu/map/interactive/?campus=tempe&building=SSV>
- [6] <http://www.asu.edu/map/interactive/?campus=polytechnic&building=QUAD1>
- [7] <http://www.asu.edu/map/interactive/?campus=west&building=UCB>

ASU Competency Requirements

Competencies may be met with high school work, college work, and/or test scores. Competencies must be met regardless of your major or the number of transferable hours you have earned. Students must earn a minimum of a 2.0 GPA in each competency area.

Admission may be granted with one deficiency in no more than two competency areas. Deficiencies in both math and laboratory science are not acceptable.

You might not need to meet Competency Requirements. Refer to Exceptions.

English Competency Requirement

Meet one of the following:

- Four years of high school English (composition/literature based).
- Minimum test score of 21 on ACT English or 530 on SAT Critical Reading.
- One transferable three-semester-hour college English composition course.

English Composition Placement:

All freshman and college students who have not earned a "C" or better in a transferable freshman English composition course or who have not received a score of 4 or 5 on the Advanced Placement Examination in English offered by the College Entrance Examination Board (See Related Sites) must submit ACT or SAT scores before registration to be placed in an appropriate English course.

Mathematics Competency Requirement

Meet one of the following:

- Four years of high school courses: one year each of Algebra I, Geometry, Algebra II, and an advanced math class for which Algebra II is a prerequisite.
- Minimum test score of 24 on ACT Math or 540 on SAT Math.

- One transferable three-semester-hour college math course for which at least intermediate algebra is a prerequisite.

Laboratory Science Competency Requirement

Meet one of the following:

- Three years of high school laboratory science, one year each from three of the following: Biology, Chemistry, Earth Science, or Physics (an integrated science or an advanced science may be substituted for one required course).
- Two years of high school laboratory science (Biology, Chemistry, Earth Science, or Physics) plus minimum SAT II subject test score on one of the following: Chemistry-600, Biology-590, Physics-620, or ACT Science-20 (subject test score may not be from the same subject as either high school credit earned and may be used to satisfy only one laboratory science unit).
- Three transferable four-semester-hour college laboratory science courses including one semester each from three of the following: Biology, Chemistry, Earth Science, Physics. An integrated laboratory science or advanced level science may be substituted for one required course.

Social Science Competency Requirement

Meet one of the following from Section A and one from Section B:

Section A

- One year of high school American History.
- Minimum **SAT II** subject test score of 560 on American History/Social Studies.
- One transferable three-semester-hour college American History course.

Section B

- One year of high school social science (e.g. European History, World History, Economics, Sociology, Geography, Government, Psychology, or Anthropology).
- Minimum **SAT II** subject test score of 580 on World History.
- One transferable three-semester-hour college social science course.

Foreign Language Competency Requirement

Meet one of the following:

- Two years of the same high school foreign language.
- Attainment of minimum score on a national standardized foreign language test or placement into a third semester college foreign language class based on university placement exam results.
- Two transferable 3- or 4-semester-hour, college-level courses in the same foreign language.

Fine Arts Competency Requirement

Meet one of the following:

- One year of high school fine arts or a combination of two semesters of high school fine arts.
- One transferable three-credit college fine arts course.

Exceptions

You do not need to meet competencies if:

- If you have completed an associate's or higher level degree from a regionally accredited post-secondary institution with a minimum 2.0 GPA (A=4.0) if you are an Arizona resident. If you are a nonresident, you must have a minimum 2.5 GPA (A=4.0).

- or if you have completed the Arizona General Education Curriculum (AGEC) with a minimum 2.0 GPA (A=4.0) if you are an Arizona resident and 2.5 GPA (A=4.0) if you are a nonresident.

See also the ASU General Catalog [1].

Source URL: <https://students.asu.edu/admission/competencies>

Links:

[1] <http://catalog.asu.edu/node/1>

Admission for Home-Educated Students

Arizona State University welcomes home school students and recognizes the unique academic experiences these students contribute to our rich, scholarly environment. We have a growing community of home school students who thrive in the ASU environment.

We understand that your academic background differs from students who attended public, private or charter schools. While our general admission requirements and application are geared toward students who have attended a high school, as a home school student, you can easily fill out the application and then include additional information to accurately demonstrate your accomplishments.

Admission requirements

Home school students must meet the general requirements [1] for ASU admission, including specific documentation with your application to confirm your completion of the requirements:

- Competency Requirement - Per Arizona Board of Regents (ABOR) policy, laboratory sciences must be conducted in real labs and students should complete the Evaluation of Laboratory Science Courses [2] form as part of the application process. (If you have questions about the laboratory sciences requirement, please call 480-965-7788.)
- Aptitude Requirement - Must be met with SAT or ACT test score.
- Graduation Requirement - Upon completion of secondary school education, complete the Affidavit of Completion of Secondary School Education [2]. The affidavit must be completed by the parent/guardian and notarized.

When the Application for Admission [3] asks you which high school you attended, enter your home town name. Scroll down through the city options until you find Home School at the bottom.

Your application will be reviewed as soon as all of these items are received by Undergraduate Admissions.

For questions regarding admission for home school students, please contact Nicole Sumrall at 480-965-6427 or email asuhomeschool@asu.edu [4].

Admission to Barrett, the Honors College

Barrett, the Honors College [5] is consistently recognized nationally as a top honors experience. Barrett combines the caring and community of a top, small college on all four ASU campuses with the resources of a major public university. Home school students who want to be considered for admission to Barrett are encouraged to submit an application. Barrett requires a separate application, and an early application [6] is strongly suggested. The Barrett admission staff will help you with any questions you have about filling out the application.

Scholarships

Through the New American University Scholarship program [7], ASU recognizes exceptional academic performance. Remember to submit your transcripts and test scores when you apply for admission by or before the scholarship priority date so that you may be considered for scholarships.

Home school students will be considered for ASU scholarships upon admission.

Please contact Nicole Sumrall [8] with any questions.

Source URL: <https://students.asu.edu/homeschool>

Links:

- [1] <https://students.asu.edu/freshman/requirements>
- [2] <http://students.asu.edu/affidavit>
- [3] <https://webapp4.asu.edu/ugapp/mainmenulogic>
- [4] <mailto:asuhomeschool@asu.edu>
- [5] <http://barretthonors.asu.edu/>
- [6] <http://barretthonors.asu.edu/admissions/deadlines-and-application/>
- [7] <http://students.asu.edu/scholarships/newamericanuniversity>
- [8] <mailto:ASUNicoleSumrall@asu.edu>

Transfer Admission Requirements

ASU welcomes applications from a broad profile of transfer students from community colleges and four-year institutions. Transfer specialists [1] will work with you to assist you with the admission process.

A student must meet one of the following requirements for consideration as a transfer applicant:

- graduated from high school
- earned a GED with a score of 500 or above
- completed an associate degree or be in progress toward an associate degree

Information for assured admission and individual review for admission is below.

Assured admission standards for students transferring to ASU

Transfer applicants must meet at least one of the following requirements for admission to ASU. Please note that some ASU colleges and schools have higher requirements for admission to their majors.

Arizona residents

Arizona transfer students must meet one of the following requirements:

- Associate degree from a regionally accredited institution with a 2.00 cumulative GPA or higher (4.00=A).
- Arizona General Education Curriculum (AGEC) with a 2.50 cumulative GPA or higher (4.00=A).
- Complete a transfer pathway program through an accredited Arizona community college. Pathways include: Maricopa - ASU Pathways Program (MAPP), Registered Nurse-Bachelor of Science in Nursing (RN-BSN) Pathway, Transfer Admission Guarantee (TAG), Associate of Applied Science to Bachelor of Applied Science (AAS-BAS).

ASU accepts college-level courses in which you have earned a "C-" or better.

Nonresidents

Nonresident transfer students must meet one of the following requirements:

- Associate degree from a regionally accredited institution with a 2.50 cumulative GPA or higher (4.00=A).
- AGEC from an Arizona community college [2] with a 2.50 cumulative GPA or higher (4.00=A).
- An IGETC or CSU GE from a California community college [3] with a 2.50 cumulative or higher (4.00=A).

ASU accepts college-level courses in which you have earned a "C-" or better.

Individual review for admission

Students who do not meet ASU's assured admission criteria may be considered through the individual review process. Admission Services will review all available information about a student's application, carefully considering all aspects of a student's academic background and accomplishments. In some cases, additional information might be requested.

Transferring with 24 or more transferable credits:

Students with 24 or more transferable credit hours and a minimum 2.50 cumulative GPA are given serious consideration through the individual review process.

Transferring with fewer than 24 transferable credits:

Students with fewer than 24 transferable credit hours must have a minimum 2.50 cumulative GPA and meet freshman aptitude requirements to be considered through individual review. See freshman admission requirements [4].

Admission for international transfer students

View international admission requirements [5].

Admission for home-school students

Transfer students who graduated high school in a home school setting and have not completed an associate degree or higher must submit the Affidavit of Completion of Secondary School Education [6]. The affidavit must be completed by parent/guardian and notarized.

Home-schooled students may also meet admission requirements by submitting an official GED score of 500 or above. For questions regarding admission for home-schooled students, e-mail asuhomeschool@asu.edu [7].

Higher requirements for some programs

Some ASU colleges and schools have higher requirements for admission to their majors. See degree search [8] for detailed admission information for your desired program of study. You should select a second major on your application if your first choice has higher requirements.

Source URL: <https://transfer.asu.edu/transferrequirements>

Links:

[1] <http://transfer.asu.edu/contact>

[2] <https://transfer.asu.edu/communitycollege/AZ>

[3] <http://transfer.asu.edu/communitycollege/CA/general>

[4] <http://students.asu.edu/freshman/requirements>

[5] <http://global.asu.edu/future/undergrad>

[6] http://students.asu.edu/files/Home%20School%20Affidavit_0.pdf

[7] <mailto:asuhomeschool@asu.edu>

[8] <http://asu.edu/programs/>

How to Apply as a Transfer Student

Thank you for your interest in applying to ASU. We want to make the application process and your transfer to ASU as smooth as possible. Follow the steps below.

Application timeline

You are encouraged to apply early. Submit your application for admission and all application materials by the dates listed below.

Late applicants will be considered for university admission and financial aid, but ASU programs with higher admission standards will give priority consideration to applications submitted by these dates. Please view other important dates on the academic calendar [1].

Fall 2014

Class registration begins: early March 2014

Priority application date: April 1, 2014.*

First day of classes: Aug. 21, 2014.

Spring 2015

Priority application date: Oct. 1, 2014*

Class registration begins: Oct. 27, 2014

First day of classes: Jan. 12, 2015

Fall 2015

Priority application date: March 1, 2015*

*This is the priority application deadline for admission and merit-based scholarship consideration.

How to apply

ASU will review your application file once you have submitted all materials. To see if you have any missing items, and to view your admission status, log into My ASU [2] using your ASURITE ID, which is sent to you after you apply for admission. Students who are not admitted to ASU will be provided with information to appeal.

1. **Complete the admission application.**

Fill out the admission application [3] online. We encourage you to apply early. Ideally, you will start the application process one year prior to your planned enrollment date at ASU. This timeline is important to help ensure a smooth transition and improve opportunities for financial assistance.

Note: After the first day of a semester, approvals for that semester's application and admission will be handled by exception only. Please contact Admission Services at 480-965-7788.

2. **Submit the nonrefundable application fee.**

Arizona resident fee is \$50.

Nonresident, International and ASU Online fee is \$65.

Pay using a credit card (eCheck or MasterCard) when you submit your application or mail a check or money order to ASU. If you are applying to an online program, you will need to pay with a credit card when you submit your application.

3. **Request to have your official transcript(s) and test scores mailed to ASU.**

Transcripts

In order for your file to be processed you must request official transcripts be sent directly to ASU from all institutions you have attended. This includes high school transcripts regardless of your age or number of college credit hours. ASU accepts transcripts in a sealed envelope from high schools hand-delivered by applicants themselves to undergraduate admissions but does not accept hand-delivered college transcripts or those transmitted by fax. High school transcripts must show grade point average (GPA) and date of graduation. Upon graduation or completion of your final semester at your current institution, request that a final transcript be sent directly to ASU to determine final admission status. Receipt of your final transcript impacts financial aid disbursement and eligibility to register for future classes.

Test scores

Have your ACT/SAT scores sent directly to ASU. If you have taken AP, IB, and/or CLEP exams, request that your scores be sent directly to ASU. If you are an international applicant, please have your TOEFL or IELTS scores sent to ASU directly from the testing agency. ASU requires an English translation of all foreign-language transcripts.

Mailing address

All admission materials must be sent to:

Admission Services

Arizona State University

P.O. Box 870112

Tempe, AZ 85287-0112

You will need to pay using an eCheck or MasterCard when you submit your application.

4. **Complete the FAFSA**

Remember to complete the Free Application for Federal Student Aid to be considered for a variety of financial aid opportunities. Explore financial aid [4] and scholarships [5].

Your Next Steps

Once you have applied for admission and are accepted, you are ready to complete the next steps related to your enrollment [6].

Source URL: <https://transfer.asu.edu/apply>

Links:

- [1] <http://students.asu.edu/academic-calendar>
- [2] <http://my.asu.edu>
- [3] <https://webapp4.asu.edu/ugapp/mainmenulogic>
- [4] <https://students.asu.edu/financialaid/apply>
- [5] <https://scholarships.asu.edu/>
- [6] <https://transfer.asu.edu/steps>

How Credits Transfer to ASU

ASU will accept transfer credit for traditional course work you have successfully completed at regionally accredited institutions of higher education as documented on an official transcript. Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU.

Read **How credits transfer to ASU** below to learn what types of credit are and are not accepted by ASU, how to earn credit by exam and more.

The Transfer Credit Guide [1] is a helpful online tool that allows you to search for ASU course equivalencies. If a specific course is not found, then you can request a transfer course evaluation.

You must have your official transcripts sent from the issuing institution directly to Admission Services in order for courses to be officially evaluated and transferred to Arizona State University (see below for address). ASU applies the following general standards for transferring credit from another institution.

- ASU accepts college level (not remedial) courses in which you have earned a grade of C (4.00="A") or better from regionally accredited institutions.
- A maximum of 64 semester hours of credit will be accepted as lower-division credit when transferred from a regionally accredited community, junior or two-year college, with the exception of some special programs.
- Some ASU colleges/schools may not accept credit for courses that are evaluated with nontraditional grading systems (e.g, pass/fail).
- Acceptable academic credits earned at other institutions that are based on a different unit of credit than the one prescribed by the Arizona Board of Regents are subject to conversion before being transferred to ASU. All ASU students must meet graduation requirements (university, college, major and general studies requirements) in order to earn a bachelor's degree.
- The ASU college of your major determines how transfer courses fulfill the degree requirements of your ASU major. You should review the degree requirements of the program into which you intend to transfer and confer with an academic advisor about your credits and how they will apply to your degree program. (Search ASU's 250+ academic programs and read program requirements [2].)
- Grades and honor points that you earned at other colleges and universities are considered for admission (see below for honorably discharged veterans' exception), but your ASU cumulative grade point average (GPA) is based solely upon course work taken at ASU.

ASU will NOT accept the following types of credit:

- Courses in which you earned a grade below "C-"
- Credit awarded by postsecondary institutions in the U.S. that lack candidate status or accreditation by a regional accrediting association
- Credit awarded by postsecondary institutions for life experience
- Credit awarded by postsecondary institutions for courses taken at non-collegiate institutions (e.g., governmental agencies, corporations, industrial firms, etc.)
- Credit awarded by postsecondary institutions for non-credit courses, workshops and seminars offered by other post-secondary institutions as part of continuing education programs

Where to send transcripts

Official transcripts must be mailed or sent electronically directly to Undergraduate Admissions by the records office of the issuing institution(s). ASU does not accept transcripts sent or carried by hand by the applicants themselves or transmitted by fax.

Admission Services
Arizona State University
PO Box 870112
Tempe, AZ 85287-0112

Military Credits

Find detailed information about military transcripts and credit [3].

Credit by Examination

Students may receive credit for an ASU course by taking an examination in place of the actual course. Learn more about earning credits by taking an exam [4] such as College-level Examination Program (CLEP), Advancement Placement (AP) credit and more.

Appeal Process

Students who feel they have been unjustly denied credit for transfer courses they have taken may appeal to the appropriate committee.

Credit for Military Experience

Arizona State University evaluates military transcripts for possible transfer credit [5]. Courses must be similar in nature to a course in our undergraduate curriculum and applicable to one of our undergraduate academic programs to receive transfer credit.

Source: <https://transfer.asu.edu/credits>

Links:

[1] <https://webapp4.asu.edu/transferecreditguide/app/home>

[2] <https://webapp4.asu.edu/programs/t5/>

[3] <https://transfer.asu.edu/credits/military>

[4] https://catalog.asu.edu/credit_exam

[5] <https://transfer.asu.edu/credits/military>

Transfer FAQs

1. What is ASU's definition of a transfer student?

A transfer student is anyone applying for admission to ASU who has attended a college or university after high school graduation. Most students who completed courses while still in high school (dual enrollment) are considered freshmen.

2. What are the admission requirements for transfer students?

Please see transfer admission requirements [1] for details.

3. Will I have to send ACT/SAT test scores to apply?

It depends on your particular situation. If you are transferring fewer than 24 transferable credits, you must also meet freshman admission requirements, which may require ACT/SAT scores. Also, some majors, such as business, require a particular ACT/SAT score for admission into the program. See degree search [2] for major-specific admission information.

4. Will I have to send high school transcripts to apply?

Yes, unless you meet the following: you have an associate degree (or higher) from a regionally accredited institution posted on transcripts.

High school transcripts should be sent directly from your high school to:

ASU Admission Services
P.O. Box 870112
Tempe, AZ 85287-0112

5. Can I transfer college credits?

Please see how credit transfers to ASU [3] for details.

6. How do I choose a major?

There are a variety of resources available to help you select a major. You can start by visiting degree search [4] to explore the types of degree programs at ASU. You can also talk with a transfer representative [5].

7. I attended ASU previously as a transfer student. Am I a transfer student or a readmission student?

If you have previously attended ASU as a degree-seeking student, you will be considered a readmission student. Please see readmission information [6]

8. I'd like to talk to someone at ASU about transferring. Is there a person I can talk to?

Yes. ASU has a staff of transfer specialists who are specifically trained to discuss transferring to ASU. Answer a few short questions and we will contact you [7].

9. I am ready to apply. What do I do next?

Congratulations on making the decision to pursue your bachelor's degree at ASU. Apply online [8], send all official transcripts and pay the application fee by the preferential deadline [9] specified for each semester. This will start the transfer admissions process. Soon after you apply, you will receive a notice confirming that your application has been received and it will include information on how to monitor the status of your application.

10. Do I have to have an associate degree to transfer?

No, you can transfer at anytime as long as you meet transfer admission requirements [10]. However, ASU recommends attaining your associate degree before transferring.

11. I am in high school and taking college courses. Am I considered a transfer student?

No. Please see ASU's definition of a transfer student in question 1.

12. How do I gain residency?

Being declared a resident by the State of Arizona differs from being considered a resident for tuition purposes by ASU. The Residency Classification office has specific guidelines to follow when determining a student's residency status, initially based on the information provided on the application for admission. For more information, please review the Residency Classification Survey [11].

13. Do I have to send all my transcripts?

Yes. In order for ASU to determine whether you meet admission requirements, we must evaluate your entire academic history including course work completed at each institution attended.

14. What prerequisites do I need to complete before transferring to ASU?

There are no prerequisites required to be admitted to ASU, unless you have fewer than 24 transferable credits. Students with less than 24 transferable credits are required to meet freshman admission requirements [12], including aptitude and competency requirements.

15. Can I live on campus as a transfer student?

Yes, ASU has housing devoted specifically to upper-division students, and strongly encourage all students to live on campus their first year at ASU. For more information, refer to the University Housing website [13].

There is also a variety of off-campus housing options in close proximity to ASU's campuses. For more information on off-campus housing, check out the Center for Off-Campus & Commuter Student Services (OCCSS). [14]

FAQs for California residents

1. If attending a CA community college, is the IGETC/ CSU GE required for transfer?

The IGETC/CSU GE is not a requirement for admission to ASU. It is optional whether a California community college student chooses to transfer in with their general education courses completed or not. Completing either GE pattern and getting certified by your community college will, however, satisfy many of the General Studies requirements at ASU.

2. What does it mean to get IGETC/CSU GE certified?

Getting certified means you have completed all General Education requirements at your CA community college. If you have confirmed with your community college counselor that you are eligible for the certification, ASU will require that you submit the official certification along with your official transcripts to the Admissions Services.

3. Currently, I don't meet the WUE admissions requirements. Should I wait to apply?

No. Even though you may not currently qualify for WUE, we will always re-evaluate your admission to the program if you currently have courses in progress and submit your last and final transcripts.

4. I live in California but would like to meet with an ASU representative to discuss the transfer process. Is there anyone I can speak to in person?

Most certainly! ASU representatives will be throughout the state of California attending college transfer fairs and hosting various visits at California community colleges.

Source URL: <https://transfer.asu.edu/faqs>

Links:

- [1] <http://transfer.asu.edu/transferrequirements>
- [2] <https://webapp4.asu.edu/programs>
- [3] <http://transfer.asu.edu/credits>
- [4] <https://asu.edu/programs>
- [5] <https://transfer.asu.edu/contact>
- [6] <http://students.asu.edu/readmission>
- [7] <https://transfer.asu.edu/contactform>
- [8] <https://webapp4.asu.edu/ugapp/mainmenulogic>
- [9] <https://transfer.asu.edu/apply>
- [10] <https://transfer.asu.edu/transferrequirements>
- [11] <http://students.asu.edu/residencyreclassificationsurvey>
- [12] <http://students.asu.edu/freshman/requirements>
- [13] <http://asu.edu/housing>
- [14] <http://www.asu.edu/studentaffairs/reslife/occss/>

Transferring from a Two-Year School

ASU is a diverse learning environment with representation from all 50 states in the nation and more than 160 countries. As a major metropolitan research university, ASU is internationally recognized for its innovative programs and distinguished faculty. We welcome you to our academic community.

Find your path to ASU

We have established special transfer partnerships with the states listed below. We continue to work with colleges across the country to develop pathway programs that will help students like you transition to ASU.

- Arizona [1]
- California [2]
- Texas [3]
- Washington [4]

Western Undergraduate Exchange (reduced out-of-state tuition program)

ASU is part of the Western Undergraduate Exchange [5], offering students from 14 Western states (not including Arizona) the ability to study at a discounted nonresident tuition rate in more than 60 degree programs.

Source URL: <https://transfer.asu.edu/communitycolleges>

Links:

- [1] <https://transfer.asu.edu/communitycollege/AZ>
- [2] <https://transfer.asu.edu/caguarantee>
- [3] <https://transfer.asu.edu/communitycollege/TX/general>
- [4] <http://transfer.asu.edu/waguarantee>
- [5] <http://students.asu.edu/wue>

Students from Four-Year Institutions

ASU is a diverse learning environment with representation from all 50 states in the nation and more than 160 countries. As a major metropolitan research university, ASU is internationally recognized for its innovative programs and distinguished faculty. We welcome you to our academic community.

General Transfer

You can transfer to ASU and complete a bachelor's degree in one of more than 250 academic programs. We will provide you with tools and services to help you transition to the university. Our transfer specialists [1] are available to help you prepare for your transfer to ASU. They can answer questions about the application process and guide you to additional ASU resources.

Western Undergraduate Exchange (reduced out-of-state tuition)

ASU is part of the Western Undergraduate Exchange [2] (WUE), offering students from 14 western states (not including Arizona) the ability to study at a discounted nonresident tuition rate in more than 60 degree programs. Learn which programs are eligible and the requirements.

Source URL: <https://transfer.asu.edu/fouryearinstitutions>

Links:

[1] <https://transfer.asu.edu/contact>

[2] <http://students.asu.edu/admission/wue>

International Undergraduate Admission

Arizona State University is ranked one of the best universities in the world. When you study at ASU, you will enjoy prestigious faculty, state-of-the-art facilities and a vibrant community of students from more than 150 countries in the world. At ASU, you can choose from more than 300 undergraduate degree programs [1] that will lead you to a successful career path.

Learn how to apply to ASU

Admission Requirements

An international student is a student on a J-1 or F-1 visa who is not a citizen of, or a permanent resident of, or a refugee in the United States of America.

Academic Requirement

- Freshmen must have a 3.00 grade point average (GPA) (a "B" or better where "A"=4.00) from a secondary school.
- Transfer students must have a minimum 2.50 GPA (a "C+" or better where "A"=4.00) from a college or university. Some ASU programs require a minimum transfer GPA of 3.00, including the W. P. Carey School of Business and Ira A. Fulton Schools of Engineering.
- Some ASU programs may have higher admission requirements and may require a minimum ACT or SAT score.

English Language Proficiency Requirement

Applicants whose native language is not English (identified by the U.S. Department of State Bureau of Public Affairs) must provide evidence of English language proficiency. The English proficiency requirement may be fulfilled by meeting **one of the following**:

- Minimum score of 500 (paper-based), 173 (computer-based), or 61 (internet-based) on the Test of English as a Foreign Language (TOEFL).
- Minimum overall band of 6.0 with no band below 5.5 on the International English Language Testing System (IELTS).
- Minimum Pearson Test of English (PTE) of 53.

Note: Some ASU colleges/schools have higher English proficiency requirements. For example, The ASU Ira A. Fulton Schools of Engineering require a higher TOEFL score of 550 (paper-based), 213 (computer-based) or 79 (internet-based) as well as an IELTS score of 6.5. And, the Walter Cronkite School of Journalism requires a higher TOEFL score of 600 (paper-based) or 100 (internet-based), an IELTS score of 7.0 and a PTE score of 73.

Exceptions to the English (TOEFL/IELTS) Requirement:

- Applicants who have completed their junior and senior years in a U.S. high school with SAT Verbal score of 550 or ACT English score of 23.
- Applicants who have completed a minimum of 48 transferable semester credits including six credits of freshman English composition at a U.S. college or university with a cumulative GPA of 2.50 or higher.
- Applicants holding a bachelor's degree from a regionally accredited U.S. college or university.
- Applicants who have completed four years of high school in a U.S. high school. These applicants are subject to high school competency requirements.
- Applications who have successfully completed the Advanced 2 level of the American English and Culture Program at Arizona State University [2].

Conditional Admission

ASU may offer conditional undergraduate admission to international applicants who meet the academic (aptitude) requirement but do not meet the minimum English proficiency standards. Through conditional admission, students must first successfully complete the Advanced 2 level of the English language course at ASU's American English and Culture Program [3] or fulfill the ASU English Language Proficiency requirement as stated above before being allowed to enroll in university courses.

Note: ASU reserves the right to independently test any student's English proficiency upon arrival, including those who have earned scores satisfying minimum admission criteria, and may require support classes if the demonstrated level of English proficiency is not sufficient for academic success.

Competency Requirement

International students who attended **four years of high school in the U.S.** are required to meet the competency requirements.

- English: four years (composition/literature based).
- Math: four years - algebra I, geometry, algebra II and one course requiring algebra II as a prerequisite.
- Laboratory Science: three years total (1 year each from any of the following areas are accepted: biology, chemistry, earth science, integrated sciences, and physics).
- Social Science: two years (including one year American history).
- Foreign Language: two years (same language).
- Fine Arts: one year.

Higher Requirements for Some ASU Schools/Colleges

Some ASU colleges/schools have higher standards for admission into their programs. International applicants must meet general university international admission requirements as well as the appropriate freshman or transfer program requirements of their major. Search for your degree [4] for more details.

Scholarship for International Students

ASU offers a limited number of merit-based scholarships for highly qualified international freshman students who are non-immigrant, nonresident and degree seeking. To be considered for this competitive scholarship, you must submit your application for admission by **April 1, 2014**. There is no separate scholarship application to complete. For more information, visit New American University Scholarship [5]. Please email asuinternational@asu.edu [6] if you have any questions.

Application Deadlines

You must submit your application for admission to ASU, along with the application fee, by the deadline specified for each semester. In order to expedite the evaluation of your application, please remember to submit official transcripts, test scores and supporting credentials along with your application.

Spring 2015: Nov. 1, 2014

Summer 2015: Feb. 1 2015

Note: Applications for summer that are not completed in time for the start of the summer session, will be reviewed for admission for fall 2015.

Fall 2015: May 1, 2015

Note: International students who have been admitted for the fall semester who would like to begin attending classes during the summer must contact Admission [7] Services [6] by May 1, 2015. Otherwise, I-20s will be created for the fall semester.

New American University Scholarship: April 1, 2014

Make sure to apply as early as possible to allow time for all documentation and processes to be completed.

Application Procedures

1. Complete the Undergraduate Admission Application.

ASU prefers students to apply online [8]. However, if you are unable to complete the online application, you can download the paper application [9] and follow these steps:

1. Complete and sign the application (incomplete, unsigned applications cannot be processed).
2. Send the completed application and all supporting documents (application fee, transcripts, test scores and the financial guarantee) to:

Regular Mail

International Undergraduate Admissions
Student Services Building
P.O. Box 870112
Tempe, AZ 85287-0112

FedEx

International Undergraduate Admissions
Student Services Building
1151 S Forest Ave
Tempe, AZ 85287-0112

For more information, call 480-965-7788 or email asuinternational@asu.edu [6].

2. Submit the nonrefundable application fee.

The application fee is \$65 (U.S. Dollars). If you did not submit your application fee with your admission application, you may make your payment through My ASU [10] or submit payment in the form of a check or money order drawn on a U.S. Banking Affiliate and made payable to Arizona State University. Do not send cash or international postal money orders. Application fees cannot be waived or transferred to a future application.

3. Request that your official transcript be sent directly from your school(s) to Undergraduate Admissions.

Official transcripts are certified copies of official documents from each secondary school, college, university and/or technical schools attended.

Upon graduation or completion of the semester, request that a final transcript be sent directly to ASU to determine final admission status.

Records must include courses completed, grades or marks earned, and certificates or degrees awarded. Include a certified English translation of all documents not written in English. Official documents include:

- Original academic credentials issued by the registrar of the institution attended, bearing the original raised or colored seal of the institution and the signature of the institution's registrar, academic official or recognized international organization.
- Photocopies of academic credentials that have been verified as true copies of the original by a responsible official of the institution attended or by an educational representative of the country's government or embassy. Each page must bear the verifying official's signature and stamp.
- Photocopies of international academic credentials on file with the registrar of an institution you previously attended in the U.S.
- Photocopies of academic credentials that have been certified by a recognized international educational organization, such as the U.S. Educational Foundation, AMIDEAST or the Institute for International Education.

Note: Photocopies certified by a notary public are not official. Scanned copies are also not accepted in lieu of original official academic documents.

4. Submit evidence of English language proficiency.

Have your TOEFL or IELTS score sent directly to ASU.

TOEFL: The official TOEFL score report can be sent directly to ASU from the Educational Testing Service. ASU's TOEFL institutional code is 4007. For information about this test and registration procedures, contact ETS at PO Box 6151, Princeton, NJ 08541-6151, USA or visit www.toefl.org [11].

IELTS: For information about this test and registration procedures, contact the IELTS Office, University of Cambridge Local Examination Syndicate, 1 Hills Road, Cambridge/CB1 2EU, UK or visit www.ielts.org [12].

PTE: For information about the Pearson Test of English, visit <http://www.pearsonpte.com/Pages/home.aspx> [13].

5. Submit your ACT or SAT scores.

If you have taken the ACT or SAT, please submit official scores to Undergraduate Admissions. Some ASU colleges/schools have minimum ACT/SAT score requirements for entrance to their programs.

Deferred Enrollment

You may not defer enrollment at ASU. If you must change the semester of enrollment on your application, please submit another online application [14] and pay a new application fee for the new semester in which you are applying. Please note that all of your supporting documents are on file at ASU for one year, so you may not need to submit your other documents again.

Items to Consider

- Admission to ASU cannot be determined until your file is complete and all of your credentials are evaluated.
- You must enroll full-time each semester.
- Students holding F-2 visas cannot attend ASU on a full-time basis.
- All international students on F-1 or J-1 visas must provide a Financial Guarantee [15] to show evidence of sufficient funds available for their students before their SEVIS Form I-20 can be issued. Learn more [16].

Source URL: <https://students.asu.edu/international/future/undergrad>

Links:

[1] <http://www.asu.edu/degrees>

[2] <http://www.asu.edu/aecp>

- [3] <http://global.asu.edu/aecp>
- [4] <http://www.asu.edu/degreeesearch>
- [5] <https://scholarships.asu.edu/scholarship/1728>
- [6] <mailto:asuinternational@asu.edu>
- [7] <http://asuinternational@asu.edu>
- [8] <http://www.asu.edu/ugapp>
- [9] <https://students.asu.edu/sites/default/files/Application%20081911%20A.pdf>
- [10] <http://my.asu.edu>
- [11] <http://www.toefl.org/>
- [12] <http://www.ielts.org/>
- [13] <http://www.pearsonpte.com/Pages/home.aspx>
- [14] <https://webapp4.asu.edu/ugapp/mainmenulogic>
- [15] <https://global.asu.edu/financialguarantee>
- [16] [http://global.asu.edu/immigration#Receive SEVIS I-20](http://global.asu.edu/immigration#Receive%20SEVIS%20I-20)

Nondegree Student Admission

Some individuals may be interested in studying in a nondegree status, either through pre-college summer programs or for their own personal learning experience. If this matches your interest, please read more about the nondegree status and follow the steps to completing a nondegree application for admission.

Definition of Nondegree Student Status

A nondegree student is one who has not attended ASU as a degree-seeking student, who has not earned a bachelor's degree, who is not attending full time, and who is not, at this time, applying to a degree program.

Once admitted to a degree program, a student is not permitted to register in a nondegree status.

Nondegree students may enroll in eight credit hours each fall or spring semester, seven semester hours for each 5-week summer session and nine semester hours for the 8-week summer session.

Nondegree students may apply up to 15 hours taken in nondegree status to a degree program if you choose to pursue an undergraduate degree in the future.

Nondegree students are not eligible for financial aid.

Nondegree students may not be eligible for academic advising.

Requirements

To be admitted to ASU as a nondegree student, an applicant must be a high school graduate.

Students currently enrolled in high school and persons under the age of 18 may be admitted as nondegree students by submitting an official high school transcript and a letter of approval from a high school counselor or principal.

Applicants must have a 3.0 cumulative GPA in Arizona Board of Regents competency courses [1] to be considered for admission.

Apply now. [2]

Preferential Application Deadlines

You must submit the Application for Undergraduate Admission, along with the application fee, by the deadline specified for each semester. In order to expedite the evaluation of your application, also submit official transcripts, test scores and supporting credentials immediately.

Fall semester: May 1
Spring semester: December 1
Summer session: May 1

Nondegree applications received after the preferential date for each semester will be considered on a space-available basis. Space is limited in some programs and admission to these programs is more competitive.

Application Procedures

1. Complete the Undergraduate Admission Application. ASU prefers that you apply online [2].
2. Submit the nonrefundable application fee:
 - o Arizona residents - \$50.
 - o Non-residents and online - \$65.
3. If needed, have your ACT or SAT scores sent directly to ASU.

ASU will review your application for admission once all materials are on file. To see if your file is complete, sign in to My ASU [3] using your ASURITE ID provided to you after you submitted your application.

Mailing Address (All materials, all campuses)

Undergraduate Admissions
Arizona State University
PO Box 870112
Tempe, AZ 85287-0112

Undergraduate Admissions Contact Information and Office Locations [4]

Source URL: <https://students.asu.edu/admission/nondegree>

Links:

- [1] <http://students.asu.edu/admission/competencies>
[2] <http://www.asu.edu/ugapp>
[3] <https://my.asu.edu>
[4] <https://students.asu.edu/contact/admissions>

Undergraduate Readmission

Quick Re-entry

If you are an undergraduate degree seeking student who previously attended ASU but have not been enrolled at ASU for **one or two consecutive fall or spring semesters** you are eligible to return through "Quick Re-entry." You do not need to submit a new application or application fee. You may sign in to My ASU [1] and register for classes. Note that you may have hold or to do items that you need to complete before you are able to register for classes. F1/J1 students are still responsible for all SEVIS requirements and should check with the International Students and Scholars Office [2] at ASU.

NOTE: you must submit official transcript(s) from any institution(s) you attended during your absence from ASU. Official transcripts must be mailed or sent electronically directly to Admission Services by the records office of the issuing institution(s). ASU does not accept transcripts sent or carried by hand by applicants themselves or transmitted by fax. See Mailing Address.

Readmission Requirements

If you are not eligible for "Quick Re-entry" (i.e., because you have not been enrolled at ASU for **three or more semesters**, completed your academic program or were academically disqualified), you must apply for readmission [3] and submit applicable fees. An applicant for readmission must have an ASU GPA of 2.0 or higher, depending on the ASU school or college. Students who do not meet this GPA requirement may appeal. In these cases, the completed application for readmission may be subject to a due date that is earlier than the application deadline.

NOTE: you must submit official transcript(s) from any institution(s) you attended during your absence from ASU. Official transcripts must be mailed directly to Admission Services by the records office of the issuing institution(s). ASU does not accept transcripts sent or carried by hand by applicants themselves or transmitted by fax. See Mailing Address. Read more about transferring college credit to ASU [4].

Preferential Application Deadlines

Fall Semester

ASU's preferential readmission application deadline for Fall Semester is June 1. Readmission applications received after June 1 will be considered on a space-available basis. Space is limited in some programs and admission to these programs is more competitive.

Spring Semester

ASU's preferential readmission application deadline for Spring Semester is December 1. Readmission applications received after December 1 will be considered on a space-available basis. Space is limited in some programs and admission to these programs is more competitive.

Summer Semester

Preferential deadline is May 1.

What needs to be submitted by the deadline?

You must submit the Application for Undergraduate Admission, along with the application fee, by the deadline specified for each semester. In order to expedite the evaluation of your application, also submit official transcripts, test scores and supporting credentials immediately.

I was previously admitted to ASU but did not attend. Am I a readmission student or a transfer student?

If you have previously been admitted to ASU but did not attend, you will be considered a freshman student [5] or a transfer student [6].

Application Procedures

1. Complete the Undergraduate Admission Application [3]. ASU prefers that you apply online.
2. Submit the nonrefundable application fee:

- Arizona Residents - \$50.
- Non-residents - \$65.

If applying to an Online degree program a nonrefundable application fee of \$65 will be charged regardless of residency classification.

3. Request that an official transcript be sent directly from your school(s) to Admission Services. Upon completion of the semester, request that a final transcript be sent directly to ASU to determine final admission status. A student who does not meet readmission requirements for his/her selected major must submit complete transcripts before an admissions decision is made. Students need only submit transcripts from institutions other than ASU. **NOTE:** Receipt of your final transcript impacts financial aid disbursement and eligibility to register for future classes.

4. All applicants on F1 or J1 visas must provide a Financial Guarantee to show evidence of sufficient funds available for their studies before the application can be processed. In addition, US Citizenship and Immigration Services (USCIS) requires ASU to obtain additional information prior to processing your visa application. You must go to My ASU [1] and login, and then update address information showing Local and SEVIS addresses (list current US address as Local Address; add home country address as SEVIS Address). Please note that if you are readmitted, you must still meet all deadlines associated with the issuance of an I-20 to attend ASU. These deadlines are dependent upon your current location. Contact the International Student Office at ASU for immigration information at 480.965.7451 or ISO@asu.edu [7].

Mailing Address (Transcripts and other materials, all campuses)

Admission Services
Arizona State University

Admission Before Receipt of Final Transcript

Applicants enrolled in other colleges and universities may be considered for readmission on the basis of meeting all readmission requirements, except for a final transcript of work in progress. This final transcript must be sent to Admission Services directly from the issuing institution immediately after the work in progress has been completed. **Transcripts carried by hand are not accepted.**

Admission is official only after the final transcript has been received showing that the applicant has met the university readmission requirements. In the event the applicant does not qualify or has falsified application documents, readmission and registration are canceled, and any registration fees paid are returned according to university refund policies.

Veterans Exception

By Arizona statute, no failing grades received by a veteran at an Arizona university or community college before military service may be considered when determining admissibility. This exception applies only to veterans who

1. are honorably discharged;
2. have served in the armed forces of the United States for a minimum of two years; and
3. have previously enrolled at a university or community college in Arizona.

Military service records must be submitted, including form DD 214.

Academic Renewal

Academic renewal is a university policy administered to recalculate the cumulative ASU GPA of an undergraduate student who:

1. Is pursuing his/her first undergraduate degree and has not previously received an academic renewal; and
2. Has a cumulative ASU GPA below 2.0 (individual colleges may elect to consider applications for students whose GPA is a 2.0 or higher); and
3. Is readmitted to a degree program after an absence of at least five continuous calendar years (including summer sessions).

Courses (including transfer credits) completed before the five-year absence with a grade "C" (2.00) or higher was earned are treated in the same manner as if all the credits were transfer credits, up to a maximum of 60 credit hours.

The cumulative GPA is based only on credits earned subsequent to the student's reentry. Graduation requirements for resident credit hours and GPA must be fulfilled after the academic renewal. Graduation requirements for academic recognition (resident credit hours and GPA) must also be fulfilled after the academic renewal.

Courses completed before and after the academic renewal **remain on the transcript** and may be considered when students apply for undergraduate professional or graduate programs.

A request for academic renewal follows this procedure:

1. Students interested in academic renewal must fill out the Application for Academic Renewal and submit the form to the Dean's Office in the college of your major.
2. The Application for Academic Renewal may be submitted immediately upon readmission but must be submitted no later than the start of the third semester after readmission.
3. The Dean's Office specifies in advance a minimum of 12 semester hours required for completion.
4. When the approved credits are completed with a cumulative GPA of 2.50 or higher, and no grade lower than "C" (2.00) in each course, the Dean's Office will forward the Application for Academic Renewal to the University Registrar's Office for processing.

Only readmission students working toward their first undergraduate degree are eligible to apply for academic renewal, which may be effected only once during a student's academic career.

Academic renewal is transferable among colleges.

All students with a cumulative ASU GPA below 2.00 and have been absent from ASU 5 consecutive calendar years or more are eligible to petition for academic renewal. Individual colleges may elect to entertain petitions for academic renewal from students with ASU GPAs above 2.00. College standards committees have final authorization on academic renewal petitions.

Undergraduate Readmissions Contact Information and Office Locations (for all campuses)

Phone: 480.965.7788

Fax: 480.965.3610

Location: Student Services Building, Room 112, Tempe campus (map [8])

Leave of Absence

Undergraduate Student Leave of Absence [9]

If a student needs to take an extended break from their studies at the University they may be eligible for a Leave of Absence. The Undergraduate Student Leave of Absence (LOA) policy assists and encourages students to return and graduate after an absence of more than two consecutive fall and spring semesters from ASU. Students who have more than two consecutive semesters of absence and who have been granted a leave of absence need not apply for readmission or pay readmission fees and may participate in their regularly scheduled registration/enrollment period upon return to the University.

Source URL: <https://students.asu.edu/readmission>

Links:

[1] <http://my.asu.edu>

[2] <http://global.asu.edu/current>

[3] <https://webapp4.asu.edu/ugapp/mainmenulogic>

[4] <http://transfer.asu.edu/credits>

[5] <https://students.asu.edu/freshman/requirements>

[6] <http://transfer.asu.edu/apply>

[7] <mailto:ISO@asu.edu>

[8] <http://www.asu.edu/map/interactive/?campus=tempe&building=SSV>

[9] <https://students.asu.edu/leave-absence>

Enrollment Verification

Arizona State University is frequently required to certify a student's enrollment as to full-time, part-time, etc. Enrollment status is determined by the number of credits for which a student is enrolled during the term in which certification is requested. Courses a student has withdrawn from are not included. Note that classes taken for audit are included in total enrolled hours.

Fall & Spring Semesters

- Undergraduate students must be enrolled in at least 12 credit hours to be considered full time and enrolled in at least nine hours in order to be three quarter time. Enrollment in six to eight hours is considered half-time and enrollment in five or fewer hours is considered less than half-time.
- Graduate students must be enrolled in at least nine credit hours to be considered full time and enrolled in seven to eight hours in order to be three quarter time. Enrollment in five to six hours is considered half-time and enrollment in four or fewer hours is considered less than half-time.
- Research and teaching assistants must be enrolled in at least six credit hours to be consider full time.

Summer Sessions

- Undergraduate students must be enrolled in at least four credit hours to be considered full time and enrolled in two-three credit hours in order to be half-time. Enrollment in one hour is considered less than half-time.

- Graduate students must be enrolled in at least three credit hours to be considered full time and enrolled in at least two credit hours in order to be half-time. Enrollment in one hour is considered less than half-time.
- Research and teaching assistants must be enrolled in at least two credit hours to be considered full time and one credit hour to be considered half-time.

Co-Operative Education

Students are required to be enrolled in a designated co-op course within their college for a minimum of one credit hour during the co-op semester. Co-op students will be identified for enrollment verification purposes as being in full time status. This will include verification to the National Student Clearinghouse for loan deferment purposes. The co-op experience must meet the clock time in hours of work to meet the full time enrollment requirement, as monitored by the student's college. A credit hour is defined as a minimum of 45 clock hours.

Enrollment Verification

For an online enrollment verification, log in to the National Student Clearinghouse [1] using your ASURITE ID to view and print an enrollment verification certificate. ASU has authorized the National Student Clearinghouse to act as our agent for providing enrollment verification for insurance purposes, student loans, future employment, etc. This form is official and does not require a signature or seal from the University.

ASU sends enrollment information to the National Student Clearinghouse four times each semester on the following schedule:

- approximately one week prior to the semester start date
- after the second week of classes
- after the course withdrawal deadline
- at the end of the semester

Please refer to the academic calendar [2] for these dates.

If you need special information on your enrollment verification such as GPA or if you need a specialty verification form completed such as the Canadian or Alaskan form, visit any registration location [3] (photo ID required). We can often complete such forms while you wait, although some may take 24 to 48 hours to complete if we need to contact other offices.

You may also submit an Enrollment Verification Request Form [4] by mail, fax, or email (see instructions on form). Requests by email, mail or fax **must** include the student's verifiable signature. Allow up to two business days for processing.

If you have questions or need additional information, please contact University Registrar Services, Records & Enrollment Services at 480-965-3124 or registrar@asu.edu [5].

Enrollment & Degree Verification for Outside Agencies

Arizona State University has contracted with the National Student Clearinghouse [6] to process all enrollment and degree verification requests for employers, employment agencies, background search firms, and various other businesses that offer products or services based on the individual's status as an enrolled student.

- Visit the National Student Clearinghouse [1] for service 24 hours a day, 365 days a year.
- If you need assistance, contact National Student Clearinghouse directly at 703-742-4200.
- If the National student Clearinghouse can confirm the degree or enrollment, the response is immediate and requestors will be able to print or obtain a PDF version of the verification.
- Enrollment verifications for each term will be available starting the first week of classes for that term.
- A fee will be charged for this service.

Source URL: <https://students.asu.edu/enrollment-verification>

Links:

[1] <https://webapp4.asu.edu/myasu/clearinghouse>

- [2] <https://students.asu.edu/academic-calendar>
- [3] <https://students.asu.edu/contact/office-university-registrar>
- [4] <https://students.asu.edu/forms/enrollment-verification>
- [5] <mailto:registrar@asu.edu>
- [6] <http://www.studentclearinghouse.org/>

Attendance

The instructor has full authority to decide whether class attendance is required.

Source URL: <http://catalog.asu.edu/attendance>

Arizona General Education Curriculum (AGEC)

The Arizona public community colleges and universities have agreed upon a common structure for a general education core. This curriculum provides students attending any Arizona public community college with the opportunity to build a general education program that is transferable to any other state institution without loss of credit. This common agreement is called the Arizona General Education Curriculum (AGEC).

The AGEC is composed of 35-37 semester hours of lower-division general education course work in which a student may prepare for transfer.

The AGEC has three forms: AGEC-A, AGEC-B and AGEC-S. Refer to <http://www.aztransfer.com/AGECReqs> [1] for a detailed description of each AGEC.

Community colleges are responsible for certifying the date of completion of the AGEC on the official institutional transcripts.

Completion of the appropriate AGEC will fulfill university lower-division general education requirements of the baccalaureate degree with which the AGEC articulates. Students completing the AGEC will still be required to fulfill lower-division program requirements and prerequisites within their college and major and minor area of study. To complete a degree program most efficiently, students should select courses that concurrently satisfy AGEC and major requirements.

Completion of any AGEC guarantees admission to the university provided that a GPA of 2.00 (for Arizona residents) or 2.50 (for nonresidents) has been achieved. AGEC completion, however, does not guarantee admission to any specific university program. Many majors (e.g., architecture, engineering, business, the fine and creative arts or health professions) have significant prerequisites or program requirements that must be completed before a student may be admitted to upper-division course work. Community college students who are undecided about which of the universities they plan to attend or what program of study they intend to pursue are advised to explore educational options while they complete the AGEC. In all cases, students have the responsibility for selecting general education course work that is relevant to the requirements of their intended major and degree.

Students who complete both the AGEC and an approved associate's degree will be assigned junior class standing by the state universities. Junior class standing is based on the number of semester credits a student has earned and does not necessarily indicate the remaining number of semester credits needed to complete degree requirements. Course prerequisites, major requirements and upper-division requirements continue to be specified by each university. Appropriate sequencing of courses and timely completion of course prerequisites are essential to ensure efficient progress toward a baccalaureate degree. Students who have identified the university they plan to attend or a major area of study are advised to fulfill requirements and prerequisites identified by these programs through the AZ Transfer major guides [2] or transfer pathways [3]. The AGEC does not replace articulation agreements developed to enhance the transfer process between specific institutions. Nor does the AGEC eliminate the possibility that students who have identified the university they plan to attend and a major area of study will follow transfer guides provided by the state universities.

Source URL: <https://catalog.asu.edu/agec>

Links:

[1] <http://www.aztransfer.com/AGECReqs>

[2] http://aztransfer.com/major_guides/

[3] <https://transfer.asu.edu/communitycollege/AZ>

Course Load and Concurrent Enrollment

Course

A minimum full-time course load for an undergraduate student is 12 credit hours. The maximum course load for which a student may register is 18 credit hours (with the exception of a 19-hour maximum for students enrolled in the Ira A. Fulton Schools of Engineering and College of Technology and Innovation), with a maximum of nine credit hours in each A or B session. A student wishing to register for more than the maximum must petition the standards committee of the college in which the student is enrolled and must obtain an approved overload before registration.

Summer Session Semester Hour Load

The summer session credit hour load limit is seven credit hours for each six-week session and nine credit hours for the eight-week session, and the load limit may not exceed a total of 14 credit hours for any combination of sessions.

Graduate Credits Earned by Undergraduate Students

ASU undergraduate students who have achieved senior status (cannot be postbaccalaureate) with a cumulative GPA of 3.00 or higher may count up to 12 credit hours of graduate-level course work toward their graduate degree at ASU (preadmission credit hours). Only graduate courses with a grade of "B" (3.00) or higher may be included on a graduate plan of study. Preadmission graduate courses cannot be used to meet any baccalaureate graduation requirements. Before registering for these courses, students are advised to check with their academic advisor to ensure the correct internal academic unit or college process is followed. Permission to take a preadmission graduate course does not guarantee admission to a graduate degree program or that the course may be used toward graduate degree requirements.

Use of Graduate Course Credit by Undergraduates

Graduate course credit earned by an undergraduate student that is used to fulfill requirements for an undergraduate degree program cannot also be used in a graduate degree program unless the student is enrolled in an approved accelerated program. Students must contact their advisor before enrolling in a graduate course they wish to use toward a future graduate program at ASU.

Concurrent Enrollment

Provided that the other institution's regulations concerning enrollment, graduation requirements and transfer of credits are not violated, a student may enroll in classes at other institutions or in independent learning courses while enrolled at ASU. However, the student is urged to seek advising before concurrent enrollment to assure orderly progress toward a degree. If total credits exceed the maximum course load, prior permission must be granted by the college standards committee.

Enrollment Verification Guidelines

The registrar is responsible for verifying enrollment, according to general guidelines; see enrollment verification [1].

Source URL: https://catalog.asu.edu/course_load

Links:

[1] <http://students.asu.edu/enrollment-verification>

Credit by Examination

Students may receive credit for an ASU course by taking an examination in place of the actual course. Some exams can be taken prior to admission to ASU. Information is provided below for each type of exam, the courses that are equivalent and other conditions that may apply to credit being awarded.

- A student may earn no more than 60 hours of credit by examination for any or all programs, including ASU comprehensive and proficiency exams.
- Credit will not be awarded for any course in which the student has been given credit from any educational institution.
- Credit will not be granted for a course taken at an educational institution after credit by examination has been awarded. Exception: Students who take the advanced placement exams, however, may choose either to have the credit earned by advanced placement kept in their cumulative university hours, or to complete the ASU course and have the credit and grade instead, regardless of in which order the test or course are taken. (See the advanced placement section, below, for additional details on the exam and its equivalent scores.)
- Credit may not be received for a lower-level or prerequisite course when credit has already been received in a higher-level course within the same field.
- Only credit earned by comprehensive examination will count toward the resident credit requirement for graduation.
- Credit by exam is awarded based on the date the exam was taken. Students who take the exam during the current catalog year (August 2014 – July 2015) will earn credit based on the credit equivalency found in the current catalog. If the test was taken in a prior academic year, please refer to the catalog for that year or search the Transfer Credit Guide [1] for more information.

College-level Examination Program (CLEP) [2] can be taken before or during enrollment at ASU.

Advanced Placement (AP) [3] is taken during secondary school or before enrollment at ASU.

DANTES or DSST(Defense Activity for Nontraditional Education Support Subject Standardized Test) [4] is taken by military or approved government personnel before or during enrollment at ASU.

International Baccalaureate (IB) diploma/certificate [5] is earned by students of an International Baccalaureate®-approved school before enrollment at ASU.

Cambridge International Exam [6] is taken by students who have completed a Cambridge course in their secondary school.

Comprehensive examinations [7] can be taken by current ASU students.

Proficiency examinations [8] can be taken by current ASU students.

For information about placement testing for mathematics and English classes prior to orientation, please refer to the placement and testing requirements [9] in the ASU Catalog.

College-Level Examination Program (CLEP)

Students who have taken a College-Level Examination of the College Entrance Examination Board may receive university credit. The table of CLEP credit applies to all students enrolled in the university for the first time in August 1975 and any student enrolling thereafter. CLEP examination credit is not given where it duplicates credit previously earned by the student at the university or accepted by the university for work done elsewhere. All examinations are given monthly by University Testing and Scanning Services [10].

The General Studies requirement in natural science (SQ and SG) and literacy and critical inquiry (L) are not satisfied by CLEP. There is no limit to the number of CLEP credits that can be used to fulfill the other parts of the General Studies requirement. A student who has received ASU credit for a course due to Special Programs credit may not duplicate the credit by enrolling in the same class for credit at ASU or transferring it to another institution.

Subject Examinations

To obtain credit or placement for all subject exams except English, French, German, and Spanish, a student must receive a score of 50 (Computer Based Testing [CBT] scale) or higher. To obtain credit for College Composition, a student must receive a standard score of 610 (1978 scale), 500 (1986 scale), or 50 (CBT scale). For test scores for French, German, and Spanish, see the CLEP credit table, below.

All equivalency is subject to future review and possible catalog change. For more information, contact University Testing and Scanning Services [10] at 480-965-7146, or visit 1130 E. University Dr., Suite 204, Tempe, AZ.

Examination	Semester Hours	Equivalency
American Government	3	POS 110
American Literature	3	Elective credit

Analyzing and Interpreting Literature	3	Elective credit
Biology	8	BIO 181, 182
Calculus	3 4	MAT 265 MAT 270
Chemistry	4	CHM 113 (Students must score 50 or higher.)
College Algebra	3	MAT 117
College Composition	3	Placement into ENG 105 and Elective credit (3). ENG 101 (3) for students who already have credit for ENG 102. (Students must score 50 or higher.)
College Composition - Modular	0	No Credit
College Mathematics	3	MAT 142
English Literature	3	Elective credit
French Language	4 8 12 16	FRE 101 (Students must score 50–54.) FRE 101, 102 (Students must score 55–61.) FRE 101, 102, 201 (Students must score 62–65.) FRE 101, 102, 201, 202 (Students must score 66 or higher.)
German Language	4 8 12 16	GER 101 (Students must score 39–45.) GER 101, 102 (Students must score 46–50.) GER 101, 102, 201 (Students must score 51–59.) GER 101, 102, 201, 202 (Students must score 60 or higher.)
History of the United States I—Early Colonization to 1877	3	HST 109
History of the United States II—1865 to the Present	3	HST 110
Human Growth and Development	3	CDE 232
Humanities	0	No credit
Information Systems and Computer Applications	0	No credit
Introduction to Educational Psychology	0	No credit
Introductory Business Law	3	Elective credit
Introductory Psychology	3	PGS 101 or PSY 101
Introductory Sociology	3	SOC 101
Natural Sciences	6	Elective credit (Students must score 56 or higher.)
Precalculus (replaces College Algebra/Trigonometry)	3	MAT 170
Financial Accounting	6	Elective credit
Principles of Macroeconomics	3	ECN 211
Principles of Management	0	No credit
Principles of Marketing	0	No credit
Principles of Microeconomics	3	ECN 212
Social Sciences and History	6	Elective credit
Spanish Language	4 8 12 16	SPA 101 (Students must score 50–54.) SPA 101, 102 (Students must score 55–65.) SPA 101, 102, 201 (Students must score 66–67.) SPA 101, 102, 201, 202 (Students must score 68 or higher.)
Western Civilization I—Ancient Near East to 1648	3	HST 102 or 103
Western Civilization II—1648 to the Present	3	HST 104

Advanced Placement

Students who have taken an advanced placement course of the College Entrance Examination Board in their secondary school and who have taken an AP examination of the CEEB may receive university credit. No credit is given for any examination with a score of two or one. There is no limit to the number of AP credits that can be used to meet the General Studies requirement, including the requirements in natural sciences (SQ and SG) and literacy and critical inquiry (L).

When the scores are received by the university directly from the CEEB, credit is awarded as shown in the Advanced Placement Credit table below.

Examination	Score	Semester Hours	Equivalency
Art—History	5 or 4 3	6 3	ARS 101, 102 ARS 101 or 102
Biology	5 or 4 3	8 4	BIO 181, 182 BIO 100
Calculus AB	5, 4, or 3	4	MAT 270
Calculus BC	5 or 4 3	8 4	MAT 270, 271 MAT 270
Chemistry	5 4	8 4	CHM 113, 116 CHM 113
Chinese Language and Literature	5 4 3	20 15 10	CHI 101, 102, 201, 202 CHI 101, 102, 201 CHI 101, 102
Comparative Government and Politics	5 or 4	3	POS 150
Computer Science A	5 or 4	3	CSE 110
Computer Science AB	5 or 4	6	CSE 110, 205
English Language & Composition	5 or 4	3	Placement into ENG 105 and Elective credit (3). ENG 101 (3) for students who already have credit for ENG 102.
English Literature & Composition	5 or 4	3	Placement into ENG 105 and Elective credit (3). ENG 101 (3) for students who already have credit for ENG 102.
Environmental Science	5 or 4	3	SOS 110
European History	5 or 4	6	HST 103 and 104
French Language and Culture	5 4 3	14 11 8	FRE 201, 202, 311, 312 FRE 201, 202, 311 FRE 201, 202
German Language and Culture	5 4 3	14 11 8	GER 201, 202, 311, 312 GER 201, 202, 311 GER 201, 202
Human Geography	5 or 4	3	GCU 102
Japanese Language and Culture	5 4 3	20 15 10	JPN 101, 102, 201, 202 JPN 101, 102, 201 JPN 101, 102
Latin: Vergil	5 4 3	16 12 0	LAT 101, 102, 201, 202 LAT 101, 102, 201 No Credit
Macroeconomics	5 or 4	3	ECN 211
Microeconomics	5 or 4	3	ECN 212
Music Theory	5 or 4	3	MTC 125
Physics B	5 or 4 3	8 0	PHY 111, 113 and 112, 114 No Credit
Physics—AP Mechanics C	3, 4 or 5	4	PHY 111, 113
Physics—AP Electricity and Magnetism C	3, 4 or 5	8	PHY 112, 114
Psychology	5 or 4	3	PGS 101 or PSY 101
Spanish—Language	5 4 3	14 11 0	SPA 201, 202, 313, 314 SPA 201, 202, 313 No Credit

Spanish—Literature	5 4 3	15 12 8	SPA 111, 201, 202, 325 SPA 111, 201, 202 SPA 201, 202
Statistics	5, 4, or 3	3	STP 226
Studio Art: Drawing	5 or 4	3	ART 111
Studio Art: 2-D Design	5 or 4	3	ART 112
Studio Art: 3-D Design	5 or 4	3	ART 115
U.S. Government and Politics	5 or 4	3	POS 110
U.S. History	5 or 4	6	HST 109 and 110
World History	5 or 4	3	HST 101

DANTES/DSST

Students who have taken a DSST (DANTES [Defense Activity for Nontraditional Education Support] Subject Standardized Test) may receive university credit. Credit is awarded for score results at or above the American Council on Education's recommended score if the subject examination is applicable to a program of study at ASU or may be assigned elective credit. To receive credit, a transcript showing the DSST results must be received by ASU directly from the Educational Testing Service.

DSST Exam	ASU Credit	Score	Semester Hours
A History of the Vietnam War	No credit		
An Introduction to the Modern Middle East	Elective credit	47	3
Art of the Western World	ARS 101 or 102	48	3
Astronomy	No credit		
Business Ethics and Society	No credit		
Business Law II	No credit		
Business Mathematics	Elective credit	48	3
Criminal Justice	CRJ 100	49	3
Environment and Humanity: The Race to Save the Planet	Elective credit	46	3
Ethics in America	Elective credit	46	3
Foundations of Education	Elective credit	46	3
Fundamentals of College Algebra	MAT 117	47	3
Fundamentals of Counseling	Elective credit	48	3
General Anthropology	No credit		
Here's to Your Health	No credit		
Human Resource Management	No credit		
Human/Cultural Geography	GCU 102	48	3
Introduction to Business	Elective credit	46	3
Introduction to Computing	Elective credit	45	3
Introduction to Law Enforcement	CRJ 230	45	3
Introduction to World Religions	No credit		
Lifespan Developmental Psychology	Elective credit	46	3
Management Information Systems	Elective credit	46	3
Money and Banking	No credit		
Organizational Behavior	Elective credit	48	3
Personal Finance	Elective credit	46	3
Physical Geology	No Credit		
Principles of Finance	No Credit		
Principles of Financial Accounting	No Credit		
Principles of Physical Science I	Elective credit	47	3
Principles of Public Speaking	Elective credit	47	3

Principles of Statistics	STP 226	48	3
Principles of Supervision	Elective credit	46	3
Rise and Fall of the Soviet Union	Elective credit	45	3
Substance Abuse (formerly Drug and Alcohol Abuse)	No credit		
Technical Writing	Elective credit	46	3
The Civil War and Reconstruction	Elective credit	47	3
Western Europe since 1945	No credit		

International Baccalaureate (IB) diploma/certificate

Students who present an International Baccalaureate diploma/certificate may qualify for university credit, depending on the level of the examination and the grade received. Arizona State University grants credit for higher-level courses only. A grade of five qualifies the student to receive credit for up to two introductory courses while a grade of four qualifies a student to receive credit for one introductory course. No credit is awarded for English as a second language (English B). Credit is awarded according to the International Baccalaureate diploma/certificate credit table below.

Examination*	Score	Semester Hours	Equivalency
Art/Design	7, 6 or 5 4	6 3	ART 111, 112 ART 112
Biology	7, 6 or 5 4	8 4	BIO 181, 182 BIO 100
Business and Management	7, 6 or 5 4	3 0	Elective (3) No Credit
Chemistry	7, 6 or 5 4	8 4	CHM 113, 116 CHM 113
Classical Languages (Latin)	7, 6 or 5 4	8 4	LAT 101, 102 LAT 101
Economics	7, 6 or 5	6	ECN 211, 212
English A	7, 6 or 5 4	6 3	ENG 101, 214 ENG 214
English B	No credit	0	None
Geography	7, 6, 5 or 4	3	GCU 102
History—American	7, 6 or 5 4	6 3	HST 109, 110 HST 109
History—East and Southeast and Oceania	7, 6 or 5 4	6 3	HST 107, 240 HST 107
History—European	7, 6 or 5 4	6 3	HST 103, 104 HST 103
Mathematics	7, 6 5, or 4	4	MAT 270
Music	7, 6 5, or 4	3	MTC 125
Modern Languages: Chinese	7 6 5	15 10 5	CHI 102, 201, 202 CHI 102, 201 CHI 102
Modern Languages: French	7, 6 or 5 4	8 8	FRE 201, 202 FRE 101, 102
Modern Languages: German	7, 6 or 5 4	8 8	GER 201, 202 GER 101, 102
Modern Languages: Japanese	7 6 5	16 15 10	JPN 201, 202, 301, 302 JPN 102, 201, 202 JPN 102, 201
Modern Languages: Spanish	7, 6 or 5 4	8 8	SPA 201, 202 SPA 101, 102
Philosophy	5 or 4	0	No Credit
Physics	7, 6 5	8 4	PHY 111, 112, 113, 114 PHY 111, 113

Psychology	7, 6, 5	3	PGS 101 or PSY 101
Social and Cultural Anthropology	7, 6, 5 or 4	3	ASB 102
Theatre	7, 6, 5 or 4	3	THE 100
Visual Arts	7, 6 or 5 4	6 3	ART 111, 112 ART 112
* No credit is awarded if the language is the student's native language.			

Cambridge International Exam

Students who have completed a Cambridge course in their secondary school and who have taken a Cambridge International AS or A level examination may receive university credit. When the scores are received by the university, credit is awarded as shown in the Cambridge International Exam table below.

Examination	Score	Semester Hours	Equivalency
Accounting AS-Level	E or better	3	Elective
Accounting A-Level	E or better	6	Elective
Art and Design AS-Level*	E or better	3	ART 194
Art and Design A-Level*	E or better	6	ART 194
Biology AS-Level	D or better	4	BIO 100
Biology A-Level	D or better	8	BIO 181 and 182
Business Studies AS-Level	E or better	3	Elective
Business Studies A-Level	E or better	6	Elective
Chemistry AS-Level	D or better	4	CHM 101
Chemistry A-Level	D or better	8	CHM 101 and CHM 113
Chinese AS-Level	Details Coming Soon		
Chinese A-Level			
Design and Technology AS-Level	E or better	0	No credit
Design and Technology A-Level	E or better	0	No credit
Economics AS-Level	E or better	0	No credit
Economics A-Level	D or better	6	ECN 211 and ECN 212
English Literature and English Language AS-Level	E or better	0	No credit
English Literature and English Language A-Level	E or better	3	Placement into ENG 105 and an elective
Environmental Management AS-Level	D or better	4	BIO 130
Food Studies A-Level	E or better	6	NTR 110 and NTR 142
French AS-Level	Details Coming Soon		
French A-Level			
General Paper (Writing) AS-Level	E or better	3	Placement into ENG 105 and an elective
Geography AS-Level	E or better	3	GCU 194
Geography A-Level	E or better	6	GCU 194
Global Perspectives AS-Level	E or better	3	Placement into ENG 105 and an elective
History AS-Level	Details Coming Soon		
History A-Level			
Marine Science AS-Level	D or better	4	BIO 100
Marine Science A-Level	D or better	8	BIO 100 and BIO 130
Mathematics AS-Level	E or better	3 to 4	MAT 170 or 171
Mathematics A-Level	E or better	3 to 4	MAT 170 or 171
Mathematics-Further AS-Level	E or better	4	MAT 270
Music AS-Level	E or better	3	MUS 194
Music A-Level	E or better	6	MUS 194
Physical Science AS-Level	Details Coming Soon		
Physics AS-Level			
Physics A-Level	E or better	8	PHY 101 PHY 111, PHY 113,

			PHY 112 and PHY 114
Psychology AS-Level	E or better	3	PSY 101
Psychology A-Level	E or better	6	PSY 101 and PSY 294
Sociology AS-Level	E or better	3	SOC 101
Sociology A-Level	E or better	6	SOC 101 and SOC 294
Spanish AS-Level	Details Coming Soon		
Spanish A-Level			
Travel and Tourism AS-Level	E or better	3	TDM 205
Travel and Tourism A-Level	E or better	6	TDM 294
*Credit awarded depends on content of course completed; see advisor once admitted.			

Comprehensive Examinations

A comprehensive examination is intended to permit a student to establish academic credit in a field in which the student has gained experience or competence equivalent to an established university course. Applications are given only for courses listed in the current catalog and only for courses in which a comprehensive examination can serve as a satisfactory measure of accomplishment.

A number of restrictions apply. To be eligible to apply to take a comprehensive examination to establish undergraduate course equivalence, a student must:

1. have earned not more than 60 semester hours of credit through comprehensive, CLEP, international baccalaureate and advanced placement examinations
2. have earned no credit for a duplicate course
3. have earned no credit for a course for which this course is a prerequisite

The decision on the suitability of course material for a comprehensive examination, the development of a comprehensive examination and the administration of an examination are strictly departmental functions. An application is for one course only. The student should complete an application form with the number, title and number of semester hours for the course. When completed, the application must be approved by the student's advisor and the chair of the department responsible for offering the course.

The student must then pay the stated fee for such examinations at cashiering services. The receipt must be taken to the departmental office.

The examination is prepared by the instructor who normally conducts the course, and it is comprehensive in nature and scope. The instructor and other experts designated by the chair grade the examination, using letter grades "A+," "A," "A-," "B+," "B," "B-," "C+," "C," "D" or "E." If the grade is "C" or higher, a mark of "Y" is entered on the student's permanent record; otherwise, no entry is made. Credit by examination is indicated as such on the record. The student is notified by mail of the result of the examination. In cases of failure ("D" or "E"), the student is not given an opportunity to repeat the examination.

A student pursuing a second baccalaureate degree may not receive credit by comprehensive examination, but with prior approval of the college, the student may use the examination to waive a course requirement if a grade of "C" or higher is earned.

Proficiency Examinations

Proficiency examinations and auditions are given:

1. to waive a course requirement
2. to validate certain transfer credits in professional programs
3. to determine a student's ability in a field where competence is an important consideration

Detailed information may be obtained from the dean's office of the college in which the student is registered.

Source URL: https://catalog.asu.edu/credit_exam

Links:

[1] <https://webapp4.asu.edu/transferecreditguide/app/home>

- [2] https://catalog.asu.edu/credit_exam#CLEP
- [3] https://catalog.asu.edu/credit_exam#AP
- [4] https://catalog.asu.edu/credit_exam#DANTES
- [5] https://catalog.asu.edu/credit_exam#IB
- [6] https://catalog.asu.edu/credit_exam#cambridge
- [7] https://catalog.asu.edu/credit_exam#COMP
- [8] https://catalog.asu.edu/credit_exam#PRO
- [9] https://catalog.asu.edu/test_req
- [10] http://www.asu.edu/uts/e_clep.htm

Glossary of Academic Terms

University Academic Good Standing (Undergraduate): [2]

2.00 Cumulative GPA

- College specific academic good standing rules can be developed. Example: W. P. Carey Academic Good Standing. Use college name in policy title to differentiate it from University policy.

University Academic Probation: [3]

An undergraduate student with a cumulative GPA that has dropped below a 2.00 at the end of semester (fall or spring), is placed on University Academic Probation.

- Colleges may establish specific criteria for their own Academic Probation status, to be defined as "College Name" Academic Probation. Example: Fulton Schools of Engineering Academic Probation

University Continuing Academic Probation: [3]

A student is said to be on University Continuing Academic Probation each semester (fall or spring) that student (previously on University Academic Probation) earns a semester GPA above a 2.00, but remains below a Cumulative GPA of 2.00.

- Colleges may establish individual time limits for Continuing Academic Probation, to be defined as "College Name" Continuing Academic Probation.

Co-enrolled Continuing Probation Program [4]

Select disqualified students may participate in the Co-enrolled Continuing Probation Program at the discretion of their college or school. Under this program, the student takes UNI 220 Academic Refresher plus one ASU course selected by the student's advisor. The student co-enrolls at a Maricopa Community College with a schedule selected in consultation with the ASU advisor. Upon completion of the term, students with a combined semester cumulative GPA of 2.50 may continue regular enrollment at ASU. Parameters regarding the number of co-enrolled hours required are at the discretion of each college or school.

Ineligible: [5]

A student who is in University Academic Good Standing, but is ineligible to remain in their major based on college specific academic requirements. To be phased out for 14-15 with new tracking requirements and University Academic Good Standing policies.

Disqualified: [6]

A student on University Academic Probation who does not earn a semester (fall or spring) GPA of 2.00 or greater. Students who are disqualified are not permitted to enroll at ASU in any subsequent fall or spring semester.

Satisfactory Progress: [7]

This term is used in different ways for students with regards to financial aid, sponsored international programs, athletics and with regards to receiving veteran's benefits. It is a complex calculation which is major and situation specific. This term should not be utilized to refer to Academic Standing.

Progression: [7]

This term is used to refer to how a student meets milestones and degree requirements to enable movement towards achieving degree completion. This term should not be utilized to refer to Academic Standing.

Reinstatement: [8]

A student who has previously been academically disqualified and seeks to return either for a fall or spring semester a) immediately or b) after a period of absence and has met college admissions standards.

Quick Re-entry: [9]

Undergraduate degree seeking students who previously attended ASU but have not been enrolled at ASU for one or two consecutive fall or spring semesters are eligible to return through "Quick Re-entry." Students do not need to submit a new application or application fee.

Readmitted: [9]

Students not eligible for "Quick Re-entry" (i.e., because they have not been enrolled at ASU for three or more semesters, completed their academic program or were academically disqualified), must apply for readmission and submit applicable fees. An applicant for readmission must have an ASU GPA of 2.00 or higher, depending on the ASU school or college.

Off Track:

A student who has not met one or more critical requirements as stated in terms 1-4 of their major map in a given fall or spring semester.

Twice Off Track:

A student who has not met one or more critical requirements as stated in terms 1-4 of their major map in two consecutive fall or spring semesters.

On Track:

A student who has met all critical requirements identified in terms 1-4 of the major map in the current term and previous terms against which they are being evaluated (as identified in the major map).

On Track to Graduation:

A student who has met all necessary requirements (terms 5-8) in the current term and necessary or critical requirements in previous terms against which they are being evaluated (as identified in the major map).

Off Track to Graduation:

A student who has not met one or more necessary requirements (terms 5-8) as stated in their major map in a given fall or spring semester.

Critical Requirement: [10]

As identified on the major map, as a curricular or non-curricular degree requirement that the faculty have identified as critical predictors of success in a specific major. Critical requirements can be courses, grades, GPAs or non-curricular requirements such as submitting a fingerprint clearance card. Critical Requirements appear in terms 1-4.

Necessary Requirement:

As identified on the major map, as a curricular or non-curricular degree requirement that the faculty have identified as necessary for timely completion of degree requirements. Necessary requirements appear in terms 5-8.

8 Semester Tracking:

The evaluation of how completed courses meet degree requirements in a specific term. Includes both critical and necessary courses. Also refers to the student application for viewing all major map requirements and progression towards meeting those requirements (personalized major map).

eAdvisor: [11]

A suite of tools used to monitor student progression towards degree completion including Degree Search, major maps and the tracking of critical and necessary requirements (8 Semester Tracking application).

Milestones:

A curricular or non-curricular requirement that needs to be completed by a specific point in time. Examples: portfolio review or audition.

Concurrent Degree: [12]

Internal to the university, two degrees, same level, same time, some shared courses. Concurrent degrees can either be preapproved combinations or unique combinations added by the student via petition. Examples: JD/PhD or BS/BSE. Two diplomas are awarded.

Multiple Concentration:

Internal to the university, one degree awarded, same level, same time, some shared courses. For undergraduate degrees with multiple concentrations, students may not share coursework between the core concentration curricula. Multiple concentrations are typically added by petition. Example: Business (Global Leadership), BA and Business (Sustainability), BA.

Joint Degrees:

ASU does not offer a joint degree. This would be a “joint” offering with another university where both universities would issue transcripts and diplomas.

Dual Degree:

An offering that is both internal and external to ASU. The student pursues two degrees simultaneously, one with ASU and one with an external institution. Example: ASU and Mayo Clinic.

Accelerated bachelors/masters (4 + 1) [13]

The 4+1 accelerated bachelor’s and master’s degrees are designed by the academic units to provide selected high-achieving undergraduate students with the opportunity to combine advanced undergraduate course work with graduate courses work to accelerate graduate degree completion. These programs allow accelerated students to obtain a bachelor’s and master’s degree within five years. These programs are preapproved combinations and are internal to ASU.

Accelerated bachelors/masters (3 +2):

A preapproved pathway to achieving a bachelor’s degree and a graduate level degree in five years. These are pre-established relationships, typically with international institutions.

Source URL: <https://catalog.asu.edu/glossary>

Links:

- [2] https://catalog.asu.edu/retention_standing#goodstanding
- [3] https://catalog.asu.edu/retention_standing#probation
- [4] https://catalog.asu.edu/retention_standing#coenrolled
- [5] https://catalog.asu.edu/retention_standing#ineligible
- [6] https://catalog.asu.edu/retention_standing#disqualified
- [7] https://catalog.asu.edu/retention_standing#progress
- [8] https://catalog.asu.edu/retention_standing#reinstatement
- [9] <https://students.asu.edu/readmission>
- [10] <https://catalog.asu.edu/undergraduatereq/#eadvisor>
- [11] <https://eadvisor.asu.edu/>
- [12] <https://catalog.asu.edu/undergraduatereq/#concurrent>
- [13] http://graduate.asu.edu/accelerated_degrees_4plus1

Placement and Testing Requirements

English Placement

All new, transfer or readmitted undergraduate students who plan to enroll for seven or more semester hours must meet one of the following testing requirements. Students who fail to meet at least one of these requirements are not allowed to register for any course the following semester:

- Take the ACT English or SAT verbal examination, and have scores submitted to ASU.
- Receive a score of four or five for the advanced placement examination in English offered by the College Entrance Examination Board, and have scores submitted to ASU.
- Take the CLEP general examination in College Composition, earning a score that qualifies for equivalency with ENG 101, and have scores submitted to ASU.

- Have previously taken ENG 101, ENG 102, ENG 105, ENG 107 or ENG 108 at ASU; or have previously earned a grade of "Y;" or be currently enrolled in WAC 101 or WAC 107 at ASU. If the course was taken before 1980, contact the recording section, in SSV 142, before registering for classes.
- Transfer a course equivalent to ENG 101, ENG 102, ENG 105, ENG 107 or ENG 108 with a grade of "C" (2.00) or higher. An official transcript showing the grade must be received at ASU. If a student transfers an equivalent composition course from a public Arizona community college or university or an articulated equivalent course from another institution, the equivalency is automatically posted and the student need not take further action. A student transferring a nonarticulated composition course from any other college or university may be required to submit documentation to determine equivalency of the courses. After consultation with an advisor, if evaluation is necessary, the student should submit a request for evaluation through the ASU Transfer Credit Guide [1].
- An international student whose native language is not English must take ENG 107 (or WAC 107 followed by ENG 107 the second semester) in the first semester at ASU, unless they have taken and transferred an equivalent composition course from a college or university in the U.S. Such a course must be evaluated for equivalency through the ASU Transfer Credit Guide [1].

Admitted ASU students who have not sent official ACT or SAT scores to ASU may need to take the WritePlacer section of the ACCUPLACER placement test [2] for placement into a first-year English composition course.

Math Placement

ASU requires all incoming freshmen to complete the ASU mathematics placement test [3] for mathematics prior to orientation, in order to determine the appropriate math course for enrollment.

Source URL: https://catalog.asu.edu/test_req

Links:

[1] <http://asu.edu/transfercredit>

[2] http://asu.edu/uts/e_accuplacer.htm

[3] <http://students.asu.edu/node/7768>

Retention and Academic Standards

Class Standing

A student's class standing is determined by the number of hours earned, as shown in the table below.

Class Standing	
Student	Hours Earned
Freshman	24 or fewer semester hours earned
Sophomore	25 to 55 semester hours earned
Junior	56 to 86 semester hours earned
Senior	87 or more semester hours earned
Graduate	bachelor's from accredited institution

Academic Good Standing

For the purpose of retention, university academic good standing [1] for degree-seeking students is defined as a minimum cumulative GPA of 2.00. This standard is in effect for all students, regardless of catalog year, beginning in fall 2013.

A student who does not maintain the minimum GPA standard is placed on academic probation or is disqualified. A student on academic probation is in conditional good standing and is permitted to enroll.

Students on academic probation must meet with an academic success specialist to discuss academic success strategies for the subsequent semester and will be required to take UNI 220 Academic Refresher. In addition, students who have fewer than 24 credit hours will be required to participate in the ASU Pathway for Achieving Student Success Program. Students who successfully complete UNI 220 and participate in the PASS program will get an additional semester of academic probation before being disqualified. More information on the PASS program can be found here: <https://studentsuccess.asu.edu/pass> [2].

To transfer from one college to another within the university or to be eligible for readmission, a student must have an ASU GPA of 2.00 or higher. The GPA determining good standing is computed on courses taken only at ASU.

For purposes of retention or transfer, an individual college may set higher GPA standards; otherwise, the university standards prevail. See the college sections of this catalog or contact the college deans' offices for statements regarding college retention standards.

Dean's List

Undergraduate students who earn 12 or more graded semester hours ("A+," "A," "A-," "B+," "B," "B-," "C+," "C," "D" or "E") during a semester in residence at ASU with a GPA of 3.50 or higher are eligible for the Dean's List. A notation regarding Dean's List achievement appears on the unofficial transcript.

Satisfactory Academic Progress

The university is required to publish and enforce standards of satisfactory academic progress for certain students (e.g., student athletes, students receiving financial aid and students receiving veterans benefits).

Certification of satisfactory progress for student athletes is verified by the academic advisor and the dean's designee for certifying satisfactory progress. Certification of satisfactory progress [3] for students receiving financial aid or veterans benefits is verified by Student Financial Assistance or the Veterans Services offices, respectively. Students should contact their advisors or the appropriate office for additional information on satisfactory progress requirements.

Probation

A student's college assumes responsibility for enforcing academic standards and may place on university academic probation [4] any student who has failed to maintain good standing as previously defined. For purposes of probation and retention, an individual college may set higher GPA standards. A student on academic probation is required to observe any rules or limitations the college may impose as a condition for retention.

Co-enrolled Continuing Probation Program

Select disqualified students may participate in the Co-enrolled Continuing Probation Program at the discretion of their college or school. Under this program, the student takes UNI 220 Academic Refresher plus one ASU course selected by the student's advisor. The student co-enrolls at a Maricopa Community College with a schedule selected in consultation with the ASU advisor. Upon completion of the term, students with a combined semester cumulative GPA of 2.50 may continue regular enrollment at ASU. Parameters regarding the number of co-enrolled hours required are at the discretion of each college or school.

Ineligible

A student who is placed on ineligible [5] status at the end of a semester is considered ineligible to continue in the college or school at the end of the following semester, even if the student meets ASU good standing requirements but not the conditions imposed for retention by the college or school. At the close of the semester, a student deemed ineligible will receive from the college or school an email that will outline options available for continuing at ASU in another college.

Ineligibility is exercised at the discretion of the college. An ineligible student is notified by the dean of the college and is not allowed to register in a fall or spring semester at the university, unless arrangements are made to transfer to another college. A student who has already registered for a future semester will be withdrawn from classes. An ineligible student who does not change to a different major may not attend ASU. A student who is ineligible may apply for reinstatement to the college standards committee. An ineligible student may not attend ASU as a nondegree student.

Disqualification

A student who is placed on probation at the end of a semester is subject to disqualification [6] by the college or school at the end of the following semester if the conditions imposed for retention are not met.

Disqualification is exercised at the discretion of the college or school. A disqualified student is notified by the dean of the college and is not allowed to register in a fall or spring semester at the university. If the student has already registered for a future fall or spring semester, the registration is canceled. A student who has been disqualified may apply for reinstatement to the college standards committee. A disqualified student may not attend as a nondegree student. If a disqualified student elects to attend another university or two-year college, any credits earned there will not affect the ASU cumulative GPA. A course repeated elsewhere will not result in a replacement of a grade earned at ASU. Disqualified students must consult with an academic advisor to determine eligibility to attend ASU in the summer session, to raise the ASU cumulative GPA.

Select disqualified students may participate in the Co-enrolled Continuing Probation Program. See "Probation."

Reinstatement

A disqualified or ineligible student who has skipped a fall or spring semester must follow the procedures for readmission. See readmission to the university [7].

A disqualified or ineligible student who has not skipped a semester may contact an advisor in his or her college to see if reinstatement is possible. (See reinstatement: <https://catalog.asu.edu/glossary#reinstatement> [8].) If the student wishes to transfer to a different college, he or she may submit an application for reinstatement to the college into which he or she wishes to transfer. An ineligible student who does not skip a fall or spring semester must follow the ineligible procedures. See ineligible status.

Academic Integrity

Find out more about academic integrity [9].

Source URL: https://catalog.asu.edu/retention_standing

Links:

- [1] <https://catalog.asu.edu/glossary#goodstanding>
- [2] <https://studentsuccess.asu.edu/pass>
- [3] <https://catalog.asu.edu/glossary#progress>
- [4] <https://catalog.asu.edu/glossary#probation>
- [5] <https://catalog.asu.edu/glossary#ineligible>
- [6] <https://catalog.asu.edu/glossary#disqualified>
- [7] <http://students.asu.edu/readmission>
- [8] <https://catalog.asu.edu/glossary#reinstatement>
- [9] <http://provost.asu.edu/academicintegrity>

University Undergraduate General Studies Requirement

A baccalaureate education should prepare students for a particular profession or advanced study and for constructive and satisfying personal, social and civic lives, as well. In addition to depth of knowledge in a particular academic or professional discipline, students should also be broadly educated and develop the general intellectual skills they need to continue learning throughout their lives. Thus, the General Studies requirement complements the undergraduate major by helping students gain mastery of critical learning skills, investigate the traditional branches of knowledge and develop the broad perspective that frees one to appreciate diversity and change across time, culture and national boundaries.

Critical learning skills include proficiency in the use of language, mathematics and quantitative methods as tools for acquiring, renewing, creating and communicating knowledge. A broad education includes an understanding of the methods and concerns of traditional branches of knowledge — the arts and humanities, the social sciences and the natural sciences. Developing perspective requires historical, global and cross-cultural examination of knowledge of all kinds.

The General Studies requirement is composed of courses in five core areas and three awareness areas. The courses are approved by the General Studies Council and are noted in the course catalog [1] for each academic term. General Studies courses are regularly reviewed and are occasionally added to and deleted from the list. Students should always consult the course catalog [1] each semester to see which courses currently meet the General Studies requirement.

A student receives the General Studies credit that a course carries during the semester in which the course is taken.

Five Core Areas (general studies)

L: Literacy and Critical Inquiry (three credit hours)

Literacy is competence in written and oral discourse. Critical inquiry is the gathering, interpretation and evaluation of evidence. The literacy and critical inquiry requirement helps students sustain and extend their ability to reason critically and communicate clearly through language.

Students must complete three credit hours from courses designated as L. Students must have completed ENG 101, ENG 105, or ENG 107 to take an L course.

The three hours required to meet the General Studies L requirement are in addition to the university level upper-division L requirement. See university graduation requirements for more information.

MA and CS: Mathematical Studies (combined six credit hours)

This core area has two categories. Mathematics (MA) is the acquisition of essential skills in basic mathematics. Computer/statistics/quantitative applications (CS) applies mathematical reasoning and requires students to complete a course in either the use of statistics/quantitative analysis or the use of a computer to assist in serious analytical math work.

This requirement has two parts: At least three credit hours must be selected from courses designated MA and at least three credit hours must be selected from courses designated CS; and all students are expected to fulfill the MA requirement by the time they accumulate 30 hours of credit in residence at ASU. Any student who has more than 30 hours of resident ASU credit and has not fulfilled the MA requirement must enroll in an MA course or an appropriate prerequisite and continue to do so every semester until the mathematics requirement is met. College officers may grant waivers to the immediate and continual enrollment requirement only when there are scheduling conflicts detrimental to the student's academic progress.

HU: Humanities, Arts and Design and SB: Social-Behavioral Sciences (combined 12 credit hours)

The study of the humanities and the disciplines of art and design deepen awareness of the complexities of the human condition and its diverse histories and cultures. Courses in the humanities are devoted to the productions of human thought and imagination, particularly in philosophical, historical, religious and artistic traditions. Courses with an emphasis in arts and design are devoted to the study of aesthetic experiences and the processes of artistic creation. They may also feature a design emphasis in which material culture is studied as a product of human thought and imagination.

The social-behavioral sciences provide scientific methods of inquiry and empirical knowledge about human behavior, within society and individually. The forms of study may be cultural, economic, geographic, historical, linguistic, political, psychological or social. The courses in this area address the challenge of understanding the diverse natures of individuals and cultural groups who live together in a world of diminishing economic, linguistic, military, political and social distance.

A total of 12 credit hours must be completed in the following two core areas: humanities, arts and design (HU); and social-behavioral sciences (SB). At least six credit hours must be taken in one of these two core areas.

The 12 hours required to meet the General Studies HU/SB requirement are in addition to the university level upper-division HU/SB requirement. See university graduation requirements for more information.

SQ and SG: Natural Sciences (combined eight credit hours)

The natural sciences help students appreciate the scope and limitations of science and its contributions to society. Natural science areas of study include anthropology, astronomy, biology, biochemistry, chemistry, experimental psychology, geology, microbiology, physical geography, physics and plant biology. Knowledge of the methods of scientific inquiry and mastery of basic scientific principles and concepts are stressed, specifically those that relate to matter and energy in living and nonliving systems. Firsthand exposure to scientific phenomena in the laboratory is important in developing and understanding the concepts, principles and vocabulary of science.

General Studies courses that satisfy the natural science requirement are given one of two classifications: quantitative (SQ) and general (SG).

Natural Science — Quantitative (SQ): These laboratory courses include a substantial introduction to the fundamental behavior of matter and energy in physical and biological systems.

Natural Science — General (SG): These laboratory courses cover aspects of scientific inquiry that lend themselves to more qualitative or descriptive discussions of science.

Eight credit hours of courses designated SQ or SG must be selected. Of these, at least four credit hours must be taken from the SQ category.

Three Awareness Areas (General Studies)

Students must complete courses that satisfy three awareness areas. Courses that are listed for a core area and one or more awareness areas may satisfy requirements concurrently, up to a maximum of two of the awareness areas listed for that course. These awareness areas promote appreciation of cultural diversity within the contemporary U.S., the development of an international perspective and an understanding of current human events through study of the past.

1. Cultural Diversity in the United States (C)

The objective of the cultural diversity (C) requirement is to promote awareness and appreciation of cultural diversity within the contemporary U.S. This is accomplished through the study of the cultural, social or scientific contributions of women and minority groups, examination of their experiences in the U.S., or exploration of successful or unsuccessful interactions between and among cultural groups. Awareness of cultural diversity and its multiple sources can illuminate the collective past, present and future and also help students achieve greater mutual understanding and respect.

2. Global Awareness (G)

The objective of the global awareness (G) requirement is to help students recognize the need for an understanding of the values, elements and social processes of cultures other than those of the U.S. The global awareness area includes courses that recognize other contemporary cultures and the relationship of the American cultural system to generic human goals and welfare.

3. Historical Awareness (H)

The objective of the historical awareness (H) requirement is to help students develop knowledge of the past, which can be useful in shaping the present and future. History is present in languages, art, music, literature, philosophy, religion and the natural sciences, as well as in the social science traditionally called history.

Meeting the General Studies Requirement

All students enrolled in a baccalaureate degree program must successfully complete a minimum of 29 credit hours of approved General Studies courses. Many General Studies courses are approved as satisfying more than one requirement. The following conditions govern the application of courses toward the General Studies requirement:

- A single course may be used to satisfy one core area and a maximum of two awareness area requirements.
- A single course may be used to satisfy a maximum of two awareness area requirements.
- A single course cannot be used to satisfy two core area requirements, even if it is approved for more than one core area.

There is no limit to the number of advanced placement or College-Level Examination Program credits that can be used to meet the General Studies requirement; see credit by examination [2]. However, CLEP credits do not satisfy the natural sciences (SQ and SG) and literacy and critical inquiry (L) portions of the General Studies requirement.

Transfer Credit

Completion of ASU's lower division general studies and composition requirements will be awarded to any transfer student who has completed the general studies and composition requirements at another domestic university as certified through completion of the AGECE from an Arizona community college or IGETC/CSUGE for California public community colleges, or the completion of an associate of arts degree at any regionally accredited community college or university in the United States. These students will still be required to fulfill lower-division program requirements and prerequisites within their college and major and minor area of study. Additionally, students must still take six upper-division credit hours (three for L and three for SB or HU) to complete the ASU university level graduation requirements. If students transfer from Arizona community colleges without completing the AGECE or from other accredited postsecondary institutions, they receive credit for General Studies based on course-by-course equivalency. See Arizona General Education Curriculum [3].

University Requirements

In addition to the 29 credit hours of lower-division general education coursework, university graduation requirements also require students to take six additional upper-division credit hours. Three hours with a Literacy (L) designation are required to be chosen from approved upper-division courses, preferably in the major. Three hours with either a Humanities, Arts and Design (HU) or Social-Behavioral Sciences (SB) designation should also be chosen from approved upper-division courses, preferably in the major.

College or School and Major Requirements

In addition to the General Studies requirement, students must also complete college or school and major requirements. Students are encouraged to work with their academic advisors to develop a program of study that efficiently meets all graduation requirements. A well-planned program should enable a student to concurrently satisfy requirements at the university, college or school levels and within their major.

Source URL: https://catalog.asu.edu/ug_gsr

Links:

[1] <https://webapp.asu.edu/catalog/>

[2] http://catalog.asu.edu/credit_exam#CLEP

[3] <http://catalog.asu.edu/agece>

University Undergraduate Graduation Requirements

All students enrolled in a baccalaureate degree program must fulfill the following university requirements to graduate.

Credit Requirements

A minimum of 120 credit hours is required for graduation with a baccalaureate degree. A minimum of 45 credit hours in upper-division courses is required for graduation. Some programs may require more than 120 credit hours and 45 upper-division credit hours for graduation; check the program's major map for graduation requirements.

No more than 60 credit hours earned in independent learning courses or earned by comprehensive examination (including advanced placement, College-Level Examination Program, DANTES Subject Standardized Test and International Baccalaureate diploma/certificate exams) are accepted for credit toward the baccalaureate degree.

Grade Point Requirement

A minimum cumulative grade point average of 2.00 for all courses taken at ASU is required to graduate with a baccalaureate degree. Some programs may require more than a 2.00 GPA; refer to the specific program's major map for graduation requirements.

General Studies Requirement

All students enrolled in a baccalaureate degree program must satisfy a university requirement of a minimum of 29 credit hours of approved course work. See General Studies. [1]

Students transferring from Arizona community colleges with a certified completion of the appropriate Arizona General Education Curriculum will have satisfied all lower-division General Studies requirements of the baccalaureate degree with which the AGEC articulates. For more details regarding the different versions of AGEC, refer to <http://aztransfer.com/> [2].

An additional combined six hours of Literacy (L) (three hours total) and Humanities, Arts and Design (HU) / Social-Behavioral Sciences (SB) (three hours total) at the upper-division level, preferably chosen from within the major, must be completed in addition to 29 credit hours of General Studies course work.

Mathematics Requirement

All undergraduate degree-seeking students are expected to fulfill the university's mathematics requirement by the time they have accumulated 30 hours of credit in residence at ASU. Any student who has more than 30 hours of credit and has not fulfilled the mathematics requirement must enroll in a mathematics course or an appropriate prerequisite course and continue to do so every semester until the mathematics requirement is met. A waiver may be granted for continuous enrollment if there are scheduling conflicts detrimental to the student's academic progress. Also see the Math Intensive Programs: Required Course Policy

First-Year Composition Requirement

Completion of both ENG 101 and ENG 102 or ENG 105 with a grade of "C" (2.00) or higher is required for graduation from ASU in any baccalaureate program. An international student whose native language is not English may meet the first-year composition requirement by completing ENG 107 and 108 with a grade of "C" (2.00) or higher. Students who are required to take first-year composition must enroll in their first required composition course within the first year and continue to enroll in required composition courses every term until composition requirements are met.

New and Transfer Students

Composition courses transferred from non-Arizona public or out-of-state institutions may require evaluation and approval by the Office of Transfer Systems Development. After consultation with an advisor, if evaluation is necessary, the student should submit a request for evaluation through the ASU Transfer Credit Guide [3]. Students should complete the process upon transfer of course work to ASU so the student is able to enroll in additional courses if required to do so. Students who are required to take first-year composition must enroll in their first required composition course within the first year and continue to enroll in required composition courses every term until composition requirements are met.

Resident Credit Requirement

Resident credit refers to a course that is offered in a regular semester, winter session (prior to 2011-2012), intersession or summer session. Credit earned through comprehensive examinations is also included when calculating ASU resident hours. Credit earned through independent learning, advanced placement, the College-Level Examination Program or an International Baccalaureate diploma/certificate are excluded when calculating ASU resident hours.

Every candidate for the baccalaureate degree is required to earn a minimum of 30 credit hours in resident-credit courses at ASU.

Guidelines for Determination of Catalog Year

The catalog is published annually. Department, school, division, college and university requirements may change and are upgraded often. In determining graduation requirements, an undergraduate student may use only one edition of the catalog but may elect to follow any later catalog edition under which the student attends. Students may not use an edition of the catalog that was in effect before their high school graduation or completion of GED. Students maintaining continuous enrollment at any Arizona community college or public university may graduate according to the requirements of the catalog in effect at the time of initial enrollment following high school graduation or completion of a GED or according to the requirements of any single catalog in effect during subsequent terms of continuous enrollment. Students may maintain continuous enrollment while pursuing their degrees, whether attending a single Arizona community college or public university or transferring among public institutions in Arizona. Students

transferring among Arizona public higher education institutions must meet the admission, residency and all curricular and academic requirements of the degree-granting institution.

1. A semester in which a student earns course credit is counted toward continuous enrollment. Noncredit courses, audited courses, failed courses or courses from which the student withdraws do not count toward the determination of continuous enrollment for catalog purposes. See examples A and B in the continuous enrollment table below.
2. Students who do not meet the minimum enrollment standard stipulated above during three consecutive semesters (fall/spring/fall or spring/fall/spring) and the intervening summer term at any Arizona community college or public university are no longer considered continuously enrolled. (Note that students are not obligated to enroll and earn course credit during summer terms, but summer enrollment may be used to maintain continuous enrollment status.) These students must meet requirements of the Arizona community college or public university catalog in effect at the time they are readmitted or of any single catalog in effect during subsequent terms of continuous enrollment after readmission. See examples C and D in the continuous enrollment table below.
3. Students admitted or readmitted to an Arizona community college or public university during a summer term must follow the requirements of the catalog in effect the following fall semester or of any single catalog in effect during subsequent terms of continuous enrollment. See example E in the continuous enrollment table below.
4. In areas of study in which the subject matter changes rapidly, material in courses taken long before graduation may become obsolete or irrelevant.
5. Course work that is more than eight years old is applicable to completion of degree requirements at the discretion of the student's major department. Departments may accept such course work, reject it or request that the student revalidate its substance. The eight-year limit on course work applies except when program accreditation agencies limit the life of course work to fewer than eight years. Departments may also require students to satisfy current major requirements rather than major requirements in earlier catalogs when completing earlier requirements is no longer possible or educationally sound.
6. Enrollment by Arizona community college students in nontransferable courses still constitutes enrollment for purposes of determining whether the student has been continuously enrolled. For example, if a student takes two semesters of cooperative education classes that are not transferable to the university but constitute continuous enrollment at the community college, the university should consider it continuous enrollment.
7. Exceptions made by an institution apply only to the institution that made the exception. For example, if the community college departments accepted credit that was more than eight years old, the university department to which the student transfers might not; it has the right and the obligation to reevaluate any credit more than eight years old.

Inquiries about these guidelines may be directed to the student's academic advisor.

Continuous Enrollment		
Student's Activity		
	Semester/ Year	Status
Example A		
Admitted and earned course credit at an Arizona community college	Fall 2001	Active
Continued at an Arizona community college	Spring 2002 Fall 2002	Active
Transferred to an Arizona university	Spring 2003	Student enrolled under 2001–2002 or any subsequent catalog
Example B		
Admitted and earned course credit at an Arizona community college	Fall 2003	Active
Enrolled but earned all "Ws" or "Es" (0.00)	Spring 2004	Inactive

Enrolled in audit courses only	Fall 2004	Inactive
Nonattendance	Spring 2005	Inactive
Transferred to an Arizona university	Fall 2005	Student enrolled under 2005–2006 or any subsequent catalog
Example C		
Admitted and earned course credit at an Arizona community college	Fall 1999	Active
Nonattendance	Spring 2000 Fall 2000 Spring 2001	Inactive
Readmitted and earned course credit at an Arizona community college	Fall 2001	Active
Transferred to an Arizona university	Spring 2002	Student enrolled under 2001–2002 or any subsequent catalog
Example D		
Admitted and earned course credit at an Arizona community college	Fall 2000	Active
Nonattendance	Spring 2001	Inactive
Readmitted and earned course credit at an Arizona community college	Summer 2001	Active
Nonattendance	Fall 2001 Spring 2002	Inactive
Transferred to an Arizona university	Fall 2002	Student enrolled under 2000–2001 or any subsequent catalog
Example E		
Admitted and earned course credit at an Arizona community college	Summer 2004	Active
Continued at an Arizona community college	Fall 2004 Spring 2005	Active
Nonattendance	Fall 2005	Inactive
Readmitted and earned course credit at an Arizona community college	Spring 2006	Active
Transferred to an Arizona university	Summer 2006	Student enrolled under 2004–2005 or any subsequent catalog
Example F		
Admitted and earned course credit at an Arizona university	Summer 2004	Active
Nonattendance	Fall 2004	Inactive
Nonattendance	Spring 2004	Inactive
Readmitted and earned course credit at an Arizona university	Fall 2005	Active

Continued at an Arizona community college	Spring 2006	Student enrolled under 2004–2005 or any subsequent catalog

Application for Graduation

For information on how to apply for graduation and deadline dates, visit: <http://students.asu.edu/graduation> [4].

Petition for Variance from Degree

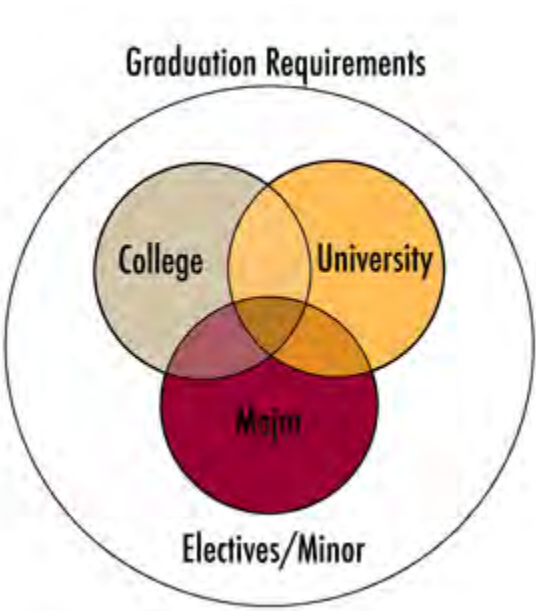
Any student wishing to have a college or university degree requirement variance must petition the standards committee of the college in which the student is enrolled. All petitions must originate with the student's advisor.

The University Undergraduate Standards Committee advises the Office of the Executive Vice President and Provost of the University regarding undergraduate student petitions that concern university-wide academic requirements. These requirements include but are not limited to requirements on the amount of transfer credit, graduation requirements, limits on credit by examination and requirements for a second baccalaureate degree. To petition for a variance from such university requirements, the University Undergraduate Standards Committee petition is used. Most petitions heard by the University Undergraduate Standards Committee start at the college level and are forwarded for final review and decision to the university level committee.

Overview of Graduation Requirements

At ASU, students take classes that fulfill four types of requirements. As illustrated in the graduation requirements diagram below, some courses can fulfill two or more types of requirements but other courses fulfill only one requirement. The total credit hours needed to graduate are represented by the largest circle. The university minimum is 120 credit hours. Some majors, however, require more than 120 credit hours.

Although the three shaded circles in the illustration below are equal in size and the white circle is larger than all three, the total number of semester hours for each type of requirement may vary.



University Requirements

The yellow circle represents university requirements. The General Studies requirement and first-year composition requirement are among these requirements.

College Requirements

The gray circle represents college requirements. Some colleges and schools such as the College of Liberal Arts and Science have additional requirements.

Major

The red circle represents the requirements of the major. The credit hours required for a major may be as low as 30 hours or as high as 65 hours.

Electives/Minor/Certificate

The white circle represents electives and the requirements of a minor or certificate. A minor typically adds an additional 18 to 25 credit hours of course work. Although every student must eventually declare a major, minor and certificates are not required. Some courses, while providing credit hours toward graduation, fall outside the shaded circles and are not required in a program for graduation. These courses are electives. Some majors leave no room for electives within the minimum 120 credit hours required to graduate.

Other Requirements

The separate units of ASU — such as colleges, schools and departments — have specific requirements for graduation that must be satisfied for a baccalaureate degree. Students are encouraged to consult with an academic advisor in planning a program to ensure it meets the various requirements. A well-planned program may enable a student to concurrently satisfy a portion of the General Studies requirement together with a portion of a college or major requirement.

Graduation with Academic Recognition

An undergraduate student must have completed at least 56 credit hours of resident credit at ASU to qualify for graduation with academic recognition for a baccalaureate degree. Note: West campus students following a catalog year prior to fall 2007 are required to have completed at least 50 credit hours of resident credit at ASU.

The cumulative GPA determines the designation, as shown in the academic recognition table below.

Academic Recognition	
Cumulative GPA	Designation
3.40–3.59	cum laude
3.60–3.79	magna cum laude
3.80–4.00	summa cum laude

The cumulative GPA for these designations is based on ASU resident course work only. For example, ASU independent learning course grades are not calculated in the honors GPA. All designations of graduation with academic recognition are indicated on the diploma and the ASU transcript. Graduation with academic recognition applies only to undergraduate degrees.

A student who has a baccalaureate degree from ASU and is pursuing a second baccalaureate degree at ASU (with a minimum of 30 hours of resident credit) is granted academic recognition on the second degree based on the credit hours earned subsequent to the posting of the first degree. If fewer than 56 credit hours are completed at ASU subsequent to completion of the first ASU degree, the level of academic recognition can be no higher than that obtained on the first degree. If 56 or more credit hours are completed at ASU after completion of the first ASU degree, the level of academic recognition is based on the GPA earned for the second ASU degree. Inquiries about graduation with academic recognition may be directed to the graduation office (480-965-3256).

Additional Degrees

Second Baccalaureate Degree

The student seeking a second baccalaureate degree must meet admission criteria for that degree. After conferral of the first degree, a minimum of 30 credit hours in resident credit courses at ASU must be successfully completed to earn the second baccalaureate degree. The student must meet all degree and university requirements of the second degree.

Concurrent Degrees

More than one baccalaureate degree may be pursued concurrently if prior approval is given by the standards committees of the colleges offering the degrees. Students may receive concurrent degrees if they meet the minimum requirements for both degrees.

eAdvisor and critical requirements

EAdvisor is Arizona State University's electronic advising and enrollment management system, designed for first-time freshmen and transfer students from Arizona public universities and Arizona community colleges. Students use eAdvisor to:

1. learn more about graduation requirements for their major
2. discern the critical courses and grades that are required to stay on track to successfully complete their degree
3. plan for and schedule appropriate courses in the correct sequence to maximize success
4. monitor progress toward their degree
5. find out how courses may fit into other majors if they decide to change majors

Through eAdvisor, students follow a major map that outlines the critical requirements and optimal eight-semester plan. If students do not meet the critical requirements, an advising hold may be placed on the students' records, and an advising session is required before future registration activities can take place. When students do not meet the critical requirements for two consecutive semesters, they are considered off track and may be advised to change majors.

Math Intensive Programs: Required Course Policy

ASU undergraduate degree programs are categorized in the area of math intensity as either general, moderate or substantial based on the number and type of required math courses. Students enrolled in a degree program categorized as substantial in math intensity who receive a failing grade of "E" twice in the same required math course may be required to change their major to a major categorized as general or moderate. This policy is applicable even if the required math course is not marked as critical through the eAdvisor Tracking Tool.

Source URL: <https://catalog.asu.edu/undergraduatereq>

Links:

- [1] https://catalog.asu.edu/ug_gsr
- [2] <http://aztransfer.com/>
- [3] <https://webapp4.asu.edu/transfercreditguide/app/home>
- [4] <http://students.asu.edu/graduation>

University Policy for Student Appeal Procedures on Grades

Informal

The steps outlined on this page, beginning with step A, must be followed by any student seeking to appeal a grade. Student grade appeals must be processed in the regular semester immediately following the issuance of the grade in dispute (by commencement for fall or spring), regardless of whether the student is enrolled at the university. It is university policy that students filing grievances and those who are witnesses are protected from retaliation. Students who believe they are victims of retaliation should immediately contact the dean of the college in which the course is offered.

A. The aggrieved student must first undergo the informal procedure of conferring with the instructor, stating the evidence, if any, and reasons for questioning that the grade received was not given in good faith. The instructor is obliged to review the matter, explain the grading procedure used and show how the grade in question was determined. If the instructor is a graduate assistant and this interview does not resolve the difficulty, the student may then take the problem to the faculty member in charge of the course (regular faculty member or director of the course sequence).

B. If the grading dispute is not resolved in step A, the student may appeal to the department chair or other appropriate chair of the area within the department (if any). The department chair may confer with the instructor to handle the problem. Step B applies only in departmentalized colleges.

C. If these discussions are not adequate to settle the matter to the complainant's satisfaction, the student may then confer with the dean of the college concerned (or the dean-designate), who will review the case. If unresolved, the dean or designate may refer the case to the college academic grievance hearing committee to review the case formally. In most instances, however, the grievance procedure does not go beyond this level.

Formal

The following procedure takes place after steps A, B and C (or A and C) have been completed.

D. Each college has on file in the office of the dean (and in each department of the college) the procedures and composition of the undergraduate or graduate academic grievance hearing committee for student grievances. Each college committee shall operate under grievance procedures as stated, which satisfy due process requirements. The committee shall always meet with the student and the instructor in an attempt to resolve the differences. At the conclusion of the hearing, the committee shall send its recommendations to the dean.

E. Final action in each case will be taken by the dean after full consideration of the committee's recommendation. Any recommended grade changes may be made by the dean. The dean shall inform the student, instructor, department chair (if any), registrar and grievance committee of any action taken.

Source URL: <https://catalog.asu.edu/appeal>

Academic Integrity

Definition

What is a violation of the academic integrity policy?

The ASU student academic integrity policy [1] lists violations in detail. These violations fall into five broad areas that include but are not limited to:

1. Cheating on an academic evaluation or assignment.
2. Plagiarizing.
3. Academic deceit, such as fabricating data or information.
4. Aiding academic integrity policy violations and inappropriately collaborating.
5. Falsifying academic records.

What is not a violation of the academic integrity policy?

Not all inappropriate behavior in the academic setting is an academic integrity policy violation.

Student Code of Conduct

Violations of the ASU Student Code of Conduct, other than the provision concerning academic dishonesty, are more generally considered inappropriate behavior. The Office of Student Rights and Responsibilities [2] reviews and sanctions these matters. If a student violates both the academic integrity provision and additional provisions of the Student Code of Conduct, both the college

and the Office of Student Rights and Responsibilities will review the matter. Each independently makes determinations concerning violations and appropriate sanctions.

Research

For graduate students and undergraduates involved in research, there can be overlapping areas between Academic Integrity Policy violations, responsible conduct of research and research misconduct. The five areas listed above describe the kinds of Academic Integrity Policy violations and are handled under the ASU Student Academic Integrity Policy by faculty members, colleges and the provost.

If a student is working on a federally funded research project, some of these items may also be considered misconduct in research [3]. Misconduct is defined as:

Fabrication, falsification, plagiarism and other practices that seriously deviate from those that are commonly accepted within the academic community for proposing, conducting or reporting research. Instances of honest error and honest differences in interpretations or judgments of data are not considered misconduct. (From RSP 004: Definitions [4])

At ASU, the Office of the Associate Vice President of Research handles misconduct in research. A student who violates both ASU's Misconduct in Research Policy and Student Academic Integrity Policy will be reviewed by both the college and the Office of Knowledge Enterprise Development [5]. Each independently makes determinations concerning violations and appropriate sanctions.

In addition, some actions might be considered violations of the norms of responsible conduct of research, but not Academic Integrity Policy violations or misconduct in research. Many of these incidents fall into the general category of "collaborator disputes." For example, if a doctoral graduate of ASU continued a line of research begun at ASU in a new lab external to ASU, and the ASU mentor objected, generally speaking the matter would be addressed as a collaborator dispute, rather than as an Academic Integrity Policy violation or misconduct in research. Many conflicts over appropriate authorship credit on publications also fall into this area.

Source URL: <https://provost.asu.edu/academicintegrity/defined>

Links:

[1] <https://provost.asu.edu/sites/default/files/AcademicIntegrityPolicyPDF.pdf>

[2] <https://eoss.asu.edu/dos/srr?destination=srr>

[3] <http://www.asu.edu/aad/manuals/rsp/rsp210.html>

[4] <http://www.asu.edu/aad/manuals/rsp/rsp004.html#misconduct>

[5] <https://research.asu.edu/>

Student Obligations to Academic Integrity

Each student must act with honesty and integrity, and must respect the rights of others in carrying out all academic assignments. A student may be found to have engaged in academic dishonesty if, in connection with any Academic Evaluation or academic or research assignment (including a paid research position), he or she:

- A. Engages in any form of academic deceit;
- B. Refers to materials or sources or uses devices (e.g., computer disks, audio recorders, camera phones, text messages, crib sheets, calculators, solution manuals, materials from previous classes, or commercial research services) not authorized by the instructor for use during the Academic Evaluation or assignment;
- C. Possesses, reviews, buys, sells, obtains, or uses, without appropriate authorization, any materials intended to be used for an Academic Evaluation or assignment in advance of its administration;
- D. Acts as a substitute for another person in any Academic Evaluation or assignment;
- E. Uses a substitute in any Academic Evaluation or assignment;
- F. Depends on the aid of others, including other students or tutors, in connection with any Academic Evaluation or assignment to the extent that the work is not representative of the student's abilities;
- G. Provides inappropriate aid to another person in connection with any Academic Evaluation or assignment, including the unauthorized use of camera phones, text messages, photocopies, notes or other means to copy or photograph materials used or intended for Academic Evaluation;
- H. Engages in Plagiarism;
- I. Uses materials from the Internet or any other source without full and appropriate attribution;

- J. Permits his or her work to be submitted by another person in connection with any Academic Evaluation or assignment, without authorization;
- K. Claims credit for or submits work done by another;
- L. Signs an attendance sheet for another student, allows another student to sign on the student's behalf, or otherwise participates in gaining credit for attendance for oneself or another without actually attending;
- M. Falsifying or misrepresenting hours or activities in relationship to an internship, externship, field experience, clinical activity or similar activity; or
- N. Attempts to influence or change any Academic Evaluation, assignment or academic record for reasons having no relevance to academic achievement.

Source URL: <https://provost.asu.edu/academicintegrity/policy/StudentObligations>

Allegations of Academic Dishonesty

This policy is not intended to address differences of opinion over grades issued by an instructor exercising good faith and professional judgment regarding a student's work. Before any action is taken under this Policy that may result in the withdrawal, suspension or expulsion of an international student, both the student and the academic program are advised to consult with the ASU International Student Office.

These procedures are designed to encourage a fair and appropriate response to allegations of academic dishonesty. They may be modified in individual cases, so long as the student is provided an opportunity to respond to allegations of academic dishonesty within a reasonable time after those allegations have been made. An Advisor may accompany the student at any point in the process. The Advisor will not be permitted to participate directly or speak for the student, but may be present during meetings and hearings.

- A. Complaint.
 - a. Anyone with a good faith basis for believing that a student has violated this policy may report the alleged violation to the responsible instructor, chair, dean, director or designee. The person who pursues the allegation is called the "Initiator" in this policy. If for any reason, an Initiator is unable or unwilling to continue in that role, another university representative may continue as Initiator.
 - b. An individual who has received an allegation may decide not to initiate a complaint. This decision will not prevent another person from becoming the Initiator.
- B. Response to Complaint.
 - a. An instructor who believes that a student has violated this policy in a class for which the instructor is responsible may assign any of the following sanctions:
 - i. a reduced grade for an assignment, or
 - ii. a reduced grade for the course.
- C. If the instructor wants to recommend another sanction set forth in Section IV, including an XE grade, the instructor must forward that recommendation for review by the College/School Board and approval by the Dean, Director or designee. The student and the instructor will be provided an opportunity to provide information to the College/School Board as part of its review.
- D. At any time, the student and the Initiator may propose a resolution, but the Dean, Director, or designee, may choose to pursue the case on behalf of the University.
- E. Information regarding the allegation or resolution may be provided to appropriate university representatives.
- F. If the Initiator and the student are unable to agree on resolution, then the student, the Initiator, or a representative of the Dean or Director may submit the matter to the Dean, Director or designee of the College/School in which the alleged academic dishonesty occurred for review by the College/School Board.
- G. After a formal request for review has been filed, the Student may remain in class or in the program until the appeal has been resolved. The student will not be given a refund, however, if the student is not successful in the appeal and the decision is made to remove the student from the class, program or university.
- H. If the matter is not submitted by the student to the Dean, Director or designee for review within 10 days following the time the student is accused of academic dishonesty, the decision or recommendation of the instructor becomes final. If the instructor has submitted a request for an XE or any other sanction to the Dean, Director or designee, and the student has not requested review within 10 days of receiving notice of this request, the Dean, Director, or designee may enter a decision on the request. Only if the decision includes suspension or expulsion from the university will the student be able to request further review.

Source URL: <https://provost.asu.edu/academicintegrity/policy/AllegationsofAcademicDishonesty>

Review by College/School Board

- A. Within 10 days after the Student receives a reduced or "XE" grade, or other notice of the alleged academic dishonesty, the Student may submit a written statement to the Dean requesting review of the allegation, the sanction or the proposed sanction by the College/School Board. For the purpose of calculating the time for submitting a matter for review, the 10 day period is counted to include only days that fall within the regular fall or spring semester and do not include the summer sessions or intersession. The Dean may appoint an ad hoc board to conduct the review or may use a standing board. The review will take place during the regular fall or spring semester, unless the parties agree otherwise.
- B. These procedures should guide the review process, but may be altered by the Chair of the College/School Board in consultation with the Office of General Counsel.
- C. The Student statement should describe the alleged academic dishonesty, including a factual narrative of events and the dates and times of occurrences and any sanction or proposed sanction. The statement should also include the names of persons having information about relevant circumstances or events, the general nature and description of all evidence, and should be signed by the Student.
- D. If the Student submits a request for review at the end of a semester, or during the last semester of enrollment, the course grade may be withheld for a reasonable period of time (normally not to exceed six months) until the matter is decided. In situations involving the student's last semester before graduation, the degree may be withheld pending the outcome of the hearing. If a grade or degree will be withheld for any period, the Initiator, Dean, Director, or designee must notify the Registrar's Office.
- E. The Dean, Director or designee will forward the student's statement to the Chair of the College/School Board.
- F. If the alleged cheating involves the work of multiple students, the College/School Board may modify these procedures to address the circumstances. The College/School Board should provide prior written notice to all interested parties of any modification of the procedures. A student who has not submitted a request for a review should not expect to benefit from a review requested by another student.
- G. Hearing Proceedings
 - a. The Chair of the College/School Board will send a copy of the statement to the Initiator, together with a copy of this Policy or with instructions on accessing the policy electronically.
 - b. The letter to the student, a copy of which shall also be sent to the Initiator and the department chair, will include the following information:
 - i. Statement of time and place when a hearing on the charges will be held by the College/School Board;
 - ii. Requirement that the parties to provide each other and the College/School Board a written list of witnesses and a description of any documents or other evidence they intend to use at the hearing. Unless the Chair provides otherwise, this information must be exchanged at least one calendar week before the hearing.
 - c. Prior to the hearing, the College/School Board will also advise the parties in writing of any additional time limitations or procedural requirements.
 - d. The Initiator shall have the burden of showing that it is more likely than not that the student engaged in academic dishonesty.
 - e. Issues shall be resolved fairly and as promptly as possible under the circumstances.
 - f. The hearing will be closed to the public. The student and the Initiator may remain in the hearing throughout the presentation of all evidence and testimony, although the College/School Board Chair may remove either party, any Advisor, or any witness if that person's conduct is disruptive.
 - g. The student and the instructor may each have an Advisor present but the Advisors shall not be permitted to address the College/School Board directly, except as the College/School Board Chair deems necessary or appropriate.
 - h. The College/School Board Chair has the final authority to resolve procedural disputes that arise. Although formal rules of evidence do not apply to the hearing process, the College/School Board Chair may limit the presentation of irrelevant or cumulative evidence, the number of witnesses and the length of each parties presentation.
 - i. The proceedings may be recorded, as determined by the College/School Board Chair.
 - j. When necessitated by fairness or extraordinary circumstances, the College/School Board may permit the parties to make arrangements for recorded, written, or telephonic testimony for use in the proceeding.
 - k. The hearing procedure will be as follows, unless the College/School Board Chair provides notice to the parties of alternative or supplemental procedures.
 - i. The College/School Board Chair will introduce the persons present at the hearing and remind all participants of the requirement that all information received in the hearing must be maintained in confidence.
 - ii. The College/School Board Chair will read allegation of academic dishonesty.
 - iii. The College/School Board Chair will make any necessary decisions or clarifications regarding procedure.

- iv. Testimony and Evidence Presented by the Initiator.
- v. The Initiator shall offer evidence in support of the allegation.
 - 1. The Initiator may call witnesses and present evidence.
 - 2. The student may ask questions of the Initiator or any of the Initiator's witnesses, following each person's presentation.
 - 3. College/School Board members may ask questions of the Initiator, the student or any of the Initiator's witnesses.
- vi. Testimony and Evidence Presented by the Student.
 - 1. The student shall offer evidence in defense of the allegation.
 - 2. The student may call witnesses and present evidence.
 - 3. The Initiator may ask questions of the student or any of the student's witnesses, following each person's presentation.
 - 4. College/School Board members may ask questions of the student, the Initiator, or any of the student's witnesses.
- vii. The College/School Board shall deliberate in private until a majority recommendation is reached and recorded. If the recommendation is not unanimous, dissenting opinions should be reflected in the recommendation submitted to the Dean or Director.
- viii. The College/School Board will prepare a written recommendation to the Dean or Director. The recommendation will include the Board's determination as to whether it is more likely than not that the student violated this policy. The decision should also include the College/School Board's findings with respect to the material facts.
- ix. If the Board finds a violation, the recommendation should recommend sanctions. The Board may consider prior violations or informal resolutions of previous allegations in its deliberations.
- x. The College/School Board will submit its recommendation to the Dean or Director.
- xi. The Dean or Director may dismiss the allegation, may concur with or modify the recommendation or may request further proceedings, but may not make new findings adverse to the student or increase the severity of a sanction, unless the student has previously violated this policy.
- xii. After any additional proceedings and within a reasonable time, the Dean or Director will issue a decision. The Dean will provide written notice of the decision to the student, the Initiator, the instructor (if the instructor is not the Initiator), the College/School Board and the department chair (or administrative equivalent).
- xiii. If the decision imposes a sanction of suspension or expulsion from the university, or revocation of a degree, the notice letter from the Dean or Director will state that the student may appeal the decision by filing a written request for review with the Provost of the campus at which the alleged violation occurred within 10 days of the date of the notice letter. If the student does not submit a written request for review within 10 days, the decision of the Dean or Director becomes final.
- xiv. Once the student has provided written notice of an appeal of a sanction, the sanction will not be imposed until the appeal has been resolved with the exception that the university may withhold posting of a grade or completion of graduation until the matter has been resolved.

Source URL: <https://provost.asu.edu/academicintegrity/policy/CollegeReview>

Sanctions

- A. Sanctions that may be imposed by an Instructor.
 - a. Subject to the procedures set forth in section III, an instructor, academic supervisor, or committee responsible for evaluation may impose any of the following sanctions for academic dishonesty:
 - b. Reduced or failing grade for assignment,
 - c. Reduced or failing grade for course, or
 - d. Reduced, failing grade, or no credit for other academic evaluation (e.g., clinical training, comprehensive exam, thesis, dissertation).
 - e. Within 10 days after an instructor-imposed sanction is assigned, the student may appeal the sanction to the Dean or Director.
- B. Sanctions that may be recommended by an instructor.
 An instructor, academic supervisor, or committee responsible for academic evaluation may recommend other or additional sanctions to the Dean or Director, including assignment of the grade of XE and withdrawal of credit for a previously accepted course or requirement, if the sanctions are otherwise provided in this policy or in the Student Code of Conduct and Disciplinary Procedures.

- C. Sanctions that may be imposed by a Dean or Director.
 - a. After reviewing the recommendation of the School/College Board, a Dean or Director may impose any of the following sanctions for academic dishonesty:
 - i. Reduced or failing grade for assignment,
 - ii. Reduced or failing grade for course,
 - iii. Reduced or failing grade for other academic evaluation (e.g., clinical training, comprehensive exam, thesis, dissertation),
 - iv. Assignment of a grade of "XE";
 - v. Withdrawal of credit for a previously accepted course or requirement;
 - vi. Removal from the School or College or from a major or program of study within the School or College, permanently or for a specified period of time.
 - b. The decision of the Dean or Director to impose any of the above sanctions is final.
- D. In addition to the above sanctions, a Dean or Director may recommend to the Provost any of the following sanctions:
 - a. Revocation of a degree (the student's official and unofficial transcript may reflect that revocation was the result of academic dishonesty);
 - b. Expulsion from the University without expectation of readmission (the student's official and unofficial transcript may reflect that expulsion was the result of academic dishonesty);
 - c. Suspension from the University for a specific period of time (the student's official and unofficial transcript may reflect that suspension was the result of academic dishonesty);
 - d. Other sanctions as consistent with this policy and the Student Code of Conduct.
- E. Final Sanctions
 - a. The student will receive written notice of the decision and recommendations of the Dean or Director.
 - b. If the sanctions do not include suspension from the university, expulsion from the university or revocation of the degree, the recommendations of the Dean or Director will be final.
 - c. If the sanctions include suspension from the university, expulsion from the university or revocation of the degree, but the student does not object in writing to the recommendations of the Dean or Director within 10 days, the recommendations of the Dean will be final.
 - d. If the sanctions include suspension from the university, expulsion from the university or revocation of the degree, and if the student provides written notice to the Provost of an objection to the recommendations of the Dean within 10 days, the Provost will convene a University Hearing Board to review the recommendations.
- F. Mitigating and aggravating circumstances may be considered in determining the appropriate sanction for a violation of this policy.

Guidelines for Review

- A. A student may seek to have a Dean's or Director's decision reviewed by the University Hearing Board only if the final decision imposes a sanction of suspension or expulsion from the university, revocation of admission or revocation of a degree.
- B. The request for review must be in writing and must be filed with the Provost within 10 days of the date of the decision letter from the Dean.
- C. The University Hearing Board shall follow the procedures set forth in the ABOR Student Disciplinary Procedures, except that the Provost, or designee will take the role of the Vice President for Student Affairs and will establish the University Hearing Board to conduct the appeal, and the College may take the role of the Dean of Students in presenting the case on behalf of the College/Initiator. The Provost may make other alternations to the procedures, with notice to the individuals involved.
- D. The University Hearing Board will make a recommendation to the Provost.
- E. The decision of the Provost is final.

Procedures Following Final Decision

If any student work affected by the finding of academic dishonesty has been placed in the library or forwarded to a third party in partial fulfillment of degree requirements that work may be removed from the library or withdrawn from the third party. If a degree has been awarded, it may be revoked if requirements were not adequately fulfilled due to academic dishonesty.

Other University Policies

The University's Misconduct In Research Policy is independent of the Student Academic Integrity Policy and the Guidelines for Graduate Appeals. Individual conduct may, for example, violate both the Student Academic Integrity Policy and the Misconduct in Research Policy and be subject to review and sanctions under both policies.

Source URL: <https://provost.asu.edu/academicintegrity/policy/Sanctions>

Definitions

Academic Evaluation: Means any academic project, paper, performance, quiz, exam, comprehensive exam, candidacy exam, thesis, dissertation, clinical or internship experience or other evaluation assigned or offered for credit (including extra or optional credit), intended to fulfill an academic requirement, or considered by the university to provide academic or research experience (such as a paid research position).

College/School Board: Means each College, School or Program hearing or standards board appointed by the academic Dean, Director or administrative equivalent to review allegations of academic dishonesty.

Dean: Means the person holding the position of college Dean, Director, or the administrative equivalent, or that person's designee. (This does not include a "Program Director" or "School Director" if the academic unit reports to a college level dean or director.

Plagiarism: Means using another's words, ideas, materials or work without properly acknowledging and documenting the source. Students are responsible for knowing the rules governing the use of another's work or materials and for acknowledging and documenting the source appropriately.

Provost: Means the Provost or another person designated by the senior academic officer of the campus at which the alleged academic dishonesty occurred.

University: Means ASU Tempe, ASU Polytechnic, ASU West, ASU Downtown Phoenix, ASU Online, and all other locations used for instruction or academic activities.

University Board: Means the University Academic Integrity Hearing Board constituted by the Provost at the campus at which the alleged academic dishonesty occurred.

Advisor: Means an individual selected by the student to assist him/her during a hearing conducted by the University Academic Integrity Hearing Board. The advisor may be a faculty or staff member, student, or other representative of the student.

Day: Means normal university business day, not including Saturday, Sunday or any officially recognized university employee holiday or any day on which the university is closed.

Source URL: <https://provost.asu.edu/academicintegrity/policy/Definitions>

The Grade of "XE"

1. The "XE" grade denotes failure through academic dishonesty. The "XE" grade will be recorded on the student's official and unofficial transcript with the notation "failure due to academic dishonesty." The "XE" grade shall be treated in the same way as an "E" for the purposes of grade point average and determination of academic standing.
2. No student with an "XE" grade on his or her transcript shall be permitted to represent that University in any extracurricular activity or to run for or hold office in any recognized student organization.
3. Generally, the "XE" grade will remain on the transcript permanently if it was awarded for an act of academic dishonesty requiring significant premeditation. For other cases, after at least 12 months have elapsed since the "XE" grade was imposed, a student may file a written petition to the Dean or Director of the College or Program that imposed the "XE" to have the "XE" grade removed and permanently replaced with the grade of "E." The decision to remove the "XE" grade and replace it with an "E" is in the sole discretion and judgment of the Dean or Director or his or her designee.
4. The Dean or Director or designee may confer with other university officials and may require the student to attest that the student has not been involved in any other act of academic dishonesty or similar disciplinary offense at Arizona State University or another institution. If the student's representation is later discovered to be false, the "XE" grade may be reinstated.

Source URL: <https://provost.asu.edu/academicintegrity/policy/TheGradeOfXE>

Impact

Following the Academic Integrity Policy and Avoiding Violations

Academic integrity is a fundamental value because violations of it cause real harm to real people. Protecting the ASU community from this harm is everyone's responsibility.

- Students who suspect a policy violation are encouraged to discuss their concerns with their course instructor or academic advisor.
- Faculty, T.A.'s, and instructors are expected to address all violations of the ASU Academic Integrity Policy. Please become familiar with the university policy and the process for addressing violations of the policy within your college/school [1].

Harm to Student

- If students cheat in a course or another academic exercise, they are taking away from themselves the opportunity to learn.
- The faculty holds the highest standards of academic integrity. If a student is caught cheating, the sanction can be anything from a lowered grade on an assignment to expulsion from ASU.
- ASU has a grade of "XE" which can become part of a transcript and permanent academic records and explicitly means that the student failed a course because of academic dishonesty. Here's the Student Academic Integrity Policy's [2] explanation of the "XE":

The "XE" grade denotes failure through academic dishonesty. The "XE" grade will be recorded on the student's official and unofficial transcript with the notation "failure due to academic dishonesty." The "XE" grade shall be treated in the same way as an "E" for the purposes of grade point average and determination of academic standing.

No student with an "XE" grade on his or her transcript shall be permitted to represent the University in any extracurricular activity or to run for or hold office in any recognized student organization.

Generally, the "XE" grade will remain on the transcript permanently.

- ASU degrees could mean less. If ASU develops a reputation for academic dishonesty based on high levels of student cheating, students' future employers, colleagues and others could have less respect for their accomplishments at ASU.
- Cheating creates an unfair grading environment for others. Whether or not a course is graded on a curve, a student who cheats, turns in high-quality work and is not caught raises the expectations about work quality for all students.
- Cheating can directly affect innocent students. For example, if a student plagiarizes on a group project, all the students in the group may be sanctioned for an Academic Integrity Policy violation.

Harm to Future Employers, Clients or Patients

- Cheating can hurt the people students will work with in the future. Many students are preparing for careers where they will provide services to others—legal, journalistic, medical, research, etc. If these students fail to learn how to do this work because they cheat at ASU, they have cheated their future employers and clients of a knowledgeable professional.

Harm to ASU

- ASU is an intellectual community focused on teaching, research and the values of the New American University. The creation, transmission, sharing and applying of knowledge are central activities of the community. Cheating violates fundamental values of the university community.

Source URL: <https://provost.asu.edu/academicintegrity/impact>

Links:

[1] <https://provost.asu.edu/index.php?q=academicintegrity/colleges>

[2] <https://provost.asu.edu/index.php?q=academicintegrity/policy>

graduate policies and procedures



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Introduction

The office for Graduate Education admits students into programs leading to both professional and research-oriented advanced degrees and certificates beyond the bachelor's degree. The master's and doctoral degrees are awarded to students completing programs that culminate in research and creative endeavors. The PhD degree is the highest university award, conferred on candidates who have proven their ability as scholars and original researchers.

Academic Integrity

The highest standards of [academic integrity](#) and compliance with the university's [Student Code of Conduct](#) are expected of all graduate students in academic coursework and research activities. The failure of any graduate student to uphold these standards may result in serious consequences including suspension or expulsion from the university and/or other sanctions as specified in the academic integrity policies of individual colleges as well as the university.

Violations of academic integrity include, but are not limited to: cheating, fabrication of data, tampering, plagiarism, or aiding and/or facilitating such activities. At the graduate level, it is expected that students are familiar with these issues and that each student assumes personal responsibility in their work.

Graduate Student Responsibilities

Graduate students are responsible for familiarizing themselves with all university and graduate policies and procedures. Each student should also communicate directly with his/her academic unit to be clear on its expectations for degree completion.

Information is provided to students via [MyASU](#). Students should frequently check their MyASU account for the most up-to-date information regarding their status, holds, items to attend to and other important information.

It is very important that students check with their thesis/dissertation advisor well in advance of data collection to ensure compliance with university regulations regarding the collection of research data. Please see the section of this guide titled "Research Involving Human and Animal Subjects."

Application

Submission of an Application

For admission information and procedures, see students.asu.edu/graduate. Applications for all graduate degree programs, certificate programs, and/or non-degree must be submitted via the students.asu.edu/graduate/apply.

Prior to submitting an application to the office of Graduate Education, applicants should review information regarding the [degree program](#), and academic unit application requirements and deadlines. Students who have a Graduate Education approved *Request to Maintain Continuous Enrollment* on file with the office of Graduate Education prior to their semester of non-registration and are re-entering the same degree program for the semester immediately following the approved Request, are not required to submit a new application.

Application Deadlines

Application deadlines are set by the degree programs. Consult the program's website or the [Graduate Degree and Certificate Search](#) tool for specific application deadlines.

Graduate Admission Services may differ from those of the academic unit. To accommodate timely processing, international applicants for fall enrollment must submit application materials by the previous December. Not all academic units accept applications for both the fall and spring semesters; however, if the academic unit allows for spring applications, international applicants must submit materials for spring enrollment by the previous August.

*Please note that international students must apply to Sessions A or C only (Session B is not available to international students due to visa requirements).

Application Fee

Each application to an ASU graduate program must be accompanied by a non-refundable application fee, payable by credit card at the time of submission. The application fee covers Graduate Education administrative costs of processing all applications and is not refundable under any circumstance.

- ⤴ Domestic application fee: \$70;
- ⤴ International application fee \$90.

In addition to the normal application fee, a \$50 non-refundable late processing fee will be assessed for all applications submitted on or after the dates indicated previously.

Applicants receive an email acknowledgement once the application has been successfully submitted. The acknowledgement includes an ASURITE ID and activation code so that students may follow the progress of their application through MyASU. Applicants should review [MyASU](#) to monitor their application status, “To Do” items and “Holds”.

Application Requirements

Applicants must submit official transcripts from all post-secondary institutions previously attended to the office of Graduate Education (see students.asu.edu/graduate/standards). **Academic units may have admission requirements in addition to those of the Graduate Admission Services.** Many graduate programs require scores from a national admissions test such as the Graduate Record Examination (GRE), Graduate Management Admission Test (GMAT), or the Miller Analogies Test. Some programs require a portfolio, letters of recommendation, a statement of goals and/or a resume. Applicants should consult the academic unit regarding program admission requirements prior to submitting an online application.

All documents received by Graduate Admission Services in connection with an application become property of the ASU Graduate Education office and will not be returned.

Academic Credentials

Applicants who attended school in the United States must hold a bachelor’s degree or higher from a regionally accredited U.S. institution in order to be eligible for admission. Applicants are required to provide proof that a bachelor’s or graduate degree was awarded before completion of their first semester of graduate studies at ASU.

Applicants who attended school outside of the U.S. must hold a bachelor’s or graduate degree, or equivalent, from an institution that is officially recognized by that country. If original credentials are issued in a language other than English, applicants must provide the original language transcripts as well as an official and literal translation. Applicants are required to provide proof that a bachelor’s or graduate degree was awarded before completion of their first semester of graduate studies at ASU.

Photocopied documents certified by a notary public are not official. For more information regarding official academic credentials see students.asu.edu/graduate. For additional information regarding official international academic credentials see students.asu.edu/graduate/apply.

Applicants must have maintained a minimum grade point average of 3.0 (on a 4.0 scale) in the last 60 semester hours or 90 quarter hours of undergraduate coursework.

Applicants should contact the degree program for specific additional requirements. Degree programs will submit a recommendation to the Vice Provost for Graduate Education regarding their willingness to admit an applicant.

Because ASU receives applications from many highly qualified students, some applicants may be denied admission for reasons not related to their academic performance. Examples include, but are not limited to: program capacity, mentor availability, and/or program match.

Additional International Requirements

International Applicants

Please consult the Graduate Admission Services websites at students.asu.edu/graduate, and students.asu.edu/international/immigration for complete information.

Applicants who will hold an F-1 or J-1 visa must:

1. Meet the regulations of the U.S. Immigration and Customs Enforcement (ICE) agency.
2. Obtain insurance coverage against illness and accident before being permitted to register for classes. Insurance must be maintained throughout the student's enrollment at the university.
3. Submit proof of [English proficiency](#).
4. Submit additional materials as outlined on the Graduate Admission Services website at students.asu.edu/graduate/apply.
5. Verify that they have the financial resources to cover their expenses during graduate study at ASU. The *Financial Guarantee* form is available through the Graduate Education website at students.asu.edu/graduate. In addition to the *Financial Guarantee* form, if ASU is providing an assistantship, an official offer letter must be sent to the office for Graduate Education. Similarly, if a governmental entity is funding the student, an official letter from the government must be submitted to the office for Graduate Education in addition to the *Financial Guarantee* form.

The I-20 or the DS-2019 (documents needed to obtain a student visa) is issued only after the completed and properly verified **Financial Guarantee** form, proof of [English proficiency](#) and supporting documents have been received by the office of Graduate Admission Services. International students may enroll at ASU only if they have been admitted to a degree program, a certificate program, or the post-baccalaureate teacher education program. ***Immediately upon arrival on campus, students must report to an advisor in the International Student and Scholars Center (ISSC). Failure to report may result in loss of status or deportation.***

Applicants residing in the U.S. on a valid visa must provide proof of a current visa. Enlarge image and fax the copy to 480-965-5158.

English Language Requirement

Applicants from a country whose **native** language is not English (regardless of where they may now reside) must provide proof of English proficiency. The English language requirement cannot be waived. Acceptable proof is as follows:

- ✧ [TOEFL](#) score of at least 550 (PBT) or 80 (iBT). The TOEFL is administered by TOEFL/TSE Services. ASU's institutional code is 4007. ASU accepts only electronic copies of the TOEFL score report.
- ✧ [IELTS](#) overall band score of at least 6.5 with no band below 6.0. The IELTS is administered by the University of Cambridge. No institutional code is needed.
- ✧ [Pearson](#) Test of English (PTE) score of at least 60. The PTE is administered by Pearson.

Individual academic units may have higher requirements for English proficiency. Consult the academic unit's website. English proficiency is only valid for two years and must be taken within two years from the beginning of the semester for which the student applied.

Some applicants are exempt from the English proficiency requirement. The following exceptions must be met exactly to be considered for an exemption:

- ✧ Applicants who have earned a bachelor's degree or higher in residence from a regionally accredited college/university in the United States.
- ✧ Applicants who have completed at least 12 semester hours of graduate coursework with a cumulative GPA of 3.0 (on a 4.0 scale) or higher in residence at a regionally accredited college/university in the United States.
- ✧ Applicants who have completed at least 90 semester hours of undergraduate coursework with a cumulative GPA of 3.0 (on a 4.0 scale) or higher in residence at a regionally accredited college/university in the United States.
- ✧ Applicants who have completed the American English and Culture Program (AECF) Advanced Level II with grades of "B" or better along with the recommendation of the Director of AECF.

All international applicants who are from a country whose native language is not English and who wish to apply for teaching assistantships must pass an examination that certifies their skill in speaking English—either the Interview Test, or the Speaking Proficiency English Assessment Kit (SPEAK) test. Tests are administered at ASU; additional information may be found at global.asu.edu/aecp/ita.

Post-Baccalaureate Non-Degree Programs

Applicants who do not immediately intend to pursue a graduate degree may apply as a post-baccalaureate students.asu.edu/graduate/nondegree. The application process does not require the submission of academic credentials or test scores.

Non-degree applicants must have earned a bachelor's degree or higher from a U.S. regionally accredited institution or the equivalent of a U.S. bachelor's or graduate degree from an international institution that is officially recognized by that country.

There is no limit to the total cumulative credit hours a student can take as a non-degree student. However, to apply the credit hours toward an ASU master's or doctoral degree, students are limited to twelve credit hours taken within three years of admission prior to admission to the degree program.

Non-degree study may be restricted by certain academic units. Contact the degree program for restriction information.

Financial aid is not available to non-degree students.

Non-degree study is typically not available to international students on F-1 or J-1 visas. For exceptions, prior to applying, you must obtain written approval from your Designated School Official (DSO) granting permission for you to take classes.

After Applying

After an application has been successfully submitted, applicants receive an email acknowledgement that includes an ASURITE ID and activation code. Applicants should review [MyASU](#) to check on the application status, “To Do” items and “Holds”.

Admission

A minimum grade point average of 3.0 (on a 4.0 scale) in the last 60 semester hours or 90 quarter hours of undergraduate coursework is required to be considered for admission to an ASU graduate degree program.

Academic units submit recommendations regarding admission decisions to the office for Graduate Admission Services; only the Vice Provost for Graduate Education can make formal offers of admission.

Applicants monitor the status of their application through MyASU. If admitted, the formal letter of admission can be downloaded from MyASU. If denied admission, letters are sent via email to the address on record.

Admission Types

- ✧ Regular Admission: Applicant satisfies all requirements for admission and is academically acceptable to both the degree program and the office for Graduate Education.
- ✧ Provisional Admission: Applicant does not meet minimum academic standards with respect to grade point averages as required by Graduate Education and the academic unit, but has additional evidence to suggest the potential for success. This status provides the academic unit with an opportunity to better evaluate the student’s academic potential. Students have a maximum of one academic year to satisfy the provisional condition. **Graduate Admission Services will withdraw students from the degree program who have not met the provisions of their admission within the required timeframe.** When students have satisfied the provisional requirements, they should confirm with the academic unit that a change of status has been recommended. Students with Provisional Admission are not eligible to submit a *Plan of Study* until the conditions of admission have been satisfied.
- ✧ Regular Admission with Deficiencies: Applicant’s grades and test scores are at an acceptable level but applicant does not have the academic background expected by the degree program and the university. Required deficiency courses may not be applied toward the minimum hours required for the degree program. Monitoring deficiency completion is the responsibility of the academic unit.

Defer Admission

Students may, with the recommendation of the degree program, defer their initial semester and year of admission to the next semester for which the degree program is admitting students. No further deferrals are allowed.

International Student Admission

International students planning to attend ASU on an F-1 student visa or a J-1 exchange visitor visa must provide documentation required by the United States Citizenship and Immigration Services. Visa documents are only issued for international students enrolled in a degree program or the post baccalaureate teacher education program. There are strict regulations regarding when an I-20 or DS-2019 can be issued. Detailed information may be found at: students.asu.edu/international/immigration.

Registration and Enrollment

All students are required to have proof of measles immunizations on file with [Student Health](#) prior to registration.

Graduate students register through MyASU according to their enrollment appointment. Details regarding registration and course drop/add procedures are provided in the [Registration and Tuition Payment Guide](#).

Enrollment Verification Guidelines

The University's Registrar's Office will verify student enrollment each semester according to the general guidelines that follow.

Enrollment Verification Guidelines for Graduate Students

	Full Time*	Half Time	Less Than Half Time
Regular Semester			
Graduate	9 or more hours	5-8 hours	4 or fewer hours
Graduate Assistant**	6 or more hours	--	--
Six-Week Summer Sessions			
Graduate	3 or more hours	2 hours	1 hour
Graduate Assistant**	2 or more hours	1 hour	--
Eight-Week Summer Session			
Graduate	5 or more hours	3-4 hours	2 or fewer hours

*Audited courses do not count toward full-time enrollment

For enrollment verification purposes, "Graduate Assistant" is a generic term that includes Teaching Assistants, Research Assistants, Teaching Associates and Research Associates. **Academic units may have specific requirements regarding registration requirements for Graduate Assistants; students should consult with their degree program unit.

International F-1 and J-1 students are required to maintain full-time enrollment status. Any exception to full-time enrollment must be previously approved by the [International Student and Scholars Center \(ISSC\)](#).

Maximum Course Load

The office for Graduate Admission Services does not have a maximum credit hour enrollment policy. It is expected that academic units will set course loads for their students that facilitate academic success.

Continuous Enrollment

Once admitted to a graduate degree program or graduate certificate program, students must be registered for a minimum of one credit hour during all phases of their graduate education, including the term in which they graduate. This includes periods when students are engaged in research, conducting a doctoral prospectus, working on or defending theses or dissertations, taking comprehensive examinations, taking Graduate Foreign Language Examinations, or in any other way utilizing university resources, facilities or faculty time.

Registration for every fall semester and spring semester is required. Summer registration is required for students taking examinations, completing culminating experiences, conducting a doctoral prospectus, defending theses or dissertations, or graduating from the degree program.

To maintain continuous enrollment the credit hour(s) must:

- ✦ Appear on the student's *Plan of Study*, OR
- ✦ Be research (592, 792), thesis (599), dissertation (799), or continuing registration (595, 695, 795), OR
- ✦ Be a graduate-level course.

Grades of "W" and/or "X" are not considered valid registration for continuous enrollment purposes. "W" grades are received when students officially withdraw from a course after the drop/add period. "X" grades are received for audit courses. Additionally, students completing work for a course in which they received a grade of "I" must maintain continuous enrollment as defined previously. Graduate students have one year to complete work for an incomplete grade; if the work is not complete and the grade changed within one year, the "I" grade becomes permanent. Additional information regarding incomplete grades can be found at asu.edu/aad/manuals/ssm/ssm203-09.html.

Graduate Assistantships

All Graduate Teaching Assistants and Associates (TAs), and Graduate Research Assistants and Associates (RAs) must register for a minimum of six semester hours of appropriate credit during each academic term of their appointment. The six hours cannot include audit enrollment. **Academic units may have specific requirements regarding Graduate Assistants; students should consult with their degree program unit.**

TAs and RAs are treated as residents for tuition purposes. To be eligible for tuition remission, TAs and RAs must be employed a minimum of 10 hours per week (25 percent Full Time Equivalency {FTE}). TAs/RAs working 10-19 hours per week (25-49 percent FTE) receive a 50 percent remission of tuition for the semester or summer session of their employment. TAs/RAs working 20 hours per week (50 percent FTE) do not pay tuition during the semester or summer session of their employment. In addition, the university pays the individual health insurance premium for those TAs and RAs working 20 hours per week (50 percent FTE).

Due to federal regulations, international students on F-1 and J-1 visas are allowed to work a maximum of 20 hours per week while school is in session (fall and spring semesters). International students are allowed to work 40 hours per week during summer sessions. International students typically are not allowed to seek employment outside the university; students must consult with the International Student and Scholars Center (ISSC).

Detailed information and application procedures regarding Graduate Assistantships can be found at graduate.asu.edu/financing/tara.

Request to Maintain Continuous Enrollment

Graduate students planning to discontinue registration for a semester or more must submit a [*Request to Maintain Continuous Enrollment form*](#). This request must be submitted and approved before the anticipated semester of non-registration. Students may request to maintain continuous enrollment without course registration for a maximum of two semesters during their entire program.

Having an approved *Request to Maintain Continuous Enrollment* by Graduate Education will enable students to re-enter their program without re-applying to the university. Students who do not register for a fall or spring semester without an approved Request are considered withdrawn from the university under the assumption that they have decided to discontinue their program. Students removed for this reason may reapply for admission to resume their degree program; the application will be considered along with all other new applications to the degree program.

A student with a Graduate Education approved *Request to Maintain Continuous Enrollment* is not required to pay tuition and/or fees, but in turn is not permitted to place any demands on university faculty or use any university resources. These resources include university libraries, laboratories, recreation facilities or faculty time.

Voluntary Withdrawal from ASU

If a student wishes to withdraw from his/her graduate degree program and the university, they must complete the [Voluntary Withdrawal form](#). Students must separately complete the appropriate forms with the University Registrar to withdraw from their courses. International students should contact the [International Student and Scholars Center \(ISSC\)](#) before submitting a *Voluntary Withdrawal* form, as it most likely will affect their visa status.

Voluntary Withdrawal from a Graduate Degree Program

If a student wishes to transition from one graduate degree program to another graduate degree program, the student should complete the [Voluntary Withdrawal form](#). The student should not take this action until they have been admitted to the other graduate degree program.

Other Types of Withdrawal

There are appropriate circumstances when students may need to withdraw from the university (i.e. medical withdrawal, compassionate leave). The policies for such withdrawals are the same for both undergraduate and graduate students. Types of withdrawals and procedures can be found at: students.asu.edu/drop-add. For course withdrawals contact the University Registrar's Office.

Involuntary Withdrawal by the office for Graduate Education

Any student who does not comply with the office for Graduate Education policies may be withdrawn from their graduate program after review by the Vice Provost for Graduate Education.

In addition, an academic unit may recommend withdrawal of a student from a graduate program for lack of compliance with published departmental policies or lack of satisfactory academic progress. All such recommendations must be submitted to the office for Graduate Education with appropriate documentation (e.g., nature of issue, communications with student). Only the Vice Provost for Graduate Education may withdraw a student from a graduate program due to lack of compliance with satisfactory academic progress policies.

A student who has been withdrawn from a graduate program due to lack of compliance with published departmental or Graduate Education policies, or lack of satisfactory academic progress is eligible to apply for admission to the same program only after one year has passed from the term of the withdrawal.

Grade Point Averages

Graduate students must maintain a minimum 3.00 grade point average (GPA) to maintain satisfactory academic progress and to graduate. The minimum 3.00 GPA must be maintained on **both** the *Plan of Study* (iPOS) GPA and the Graduate GPA.

- ⤴ The iPOS GPA is calculated on all courses that appear on the student's approved iPOS.
- ⤴ The Graduate GPA is calculated on all courses numbered 500 or higher that appear on the transcript, with the exception of:
 - Courses counted toward an undergraduate degree at ASU (unless shared with a master's degree in an approved bachelor's/master's degree program);
 - Courses identified as deficiencies in the original letter of admission.

Transfer credits and some courses taken in the Sandra Day O'Connor College of Law are not calculated on the iPOS GPA or the Graduate GPA.

Courses with grades of "D" (1.00) and "E" (0.00) cannot appear on the iPOS but will be included when calculating the Graduate GPA. Courses with an "I" grade cannot appear on the iPOS.

Satisfactory Academic Progress

All graduate students are expected to make systematic progress toward completion of their degree. This progress includes satisfying the conditions listed below, and achieving the benchmarks and requirements set by the individual degree programs. Each degree program should have in place policies for satisfactory academic progress. Students are responsible for verifying additional satisfactory progress policies as required by their degree program. If a student fails to satisfy the requirements of their degree program and/or the benchmarks outlined below, the student may be dismissed from their program based on the academic unit's recommendation to the office for Graduate Education. The Vice Provost for Graduate Education makes the final determination.

1. Maintain a minimum of 3.00 GPA on both the iPOS and Graduate GPAs. If either GPA falls below 3.00, the student must develop, with their advisor, an academic performance improvement plan that includes the conditions and timeframes for making satisfactory academic progress in their degree program.
 - a. The iPOS GPA is calculated from all courses that appear on the student's approved iPOS.
 - b. The Graduate GPA is calculated from all courses numbered 500 or higher that appear on the transcript, with the exception of courses counted toward an undergraduate degree at ASU (unless shared with a master's degree in an approved bachelor's/master's degree program); and courses identified as deficiencies in the original letter of admission. The student is considered to be on academic probation until the conditions specified in the academic performance improvement plan are met and both GPAs are above 3.00.
2. Satisfy all requirements of the graduate degree program.
3. Satisfy the maximum time limit for graduation from the student's graduate degree program (six years for master's, ten years for doctoral).
4. Doctoral students must comply with the five year time limit for graduation after passing the comprehensive examinations.
5. Successfully pass comprehensive exams, qualifying exams, foreign language exams, and the oral defense of the proposal/prospectus for the thesis or dissertation.

6. Successfully complete the culminating experience and, if required, the oral defense of the culminating experience.
7. Graduate students must stay continuously enrolled in their degree program. Failing to do so without a Graduate Education approved *Request to Maintain Continuous Enrollment* is considered to be lack of academic progress and may lead to automatic dismissal of the student from the degree program. Persistent “W” and “I” grades during multiple semesters on a plan of study or transcript may reflect lack of academic progress.

Graduate Degree Requirements

Determination of Academic Requirements

Students graduate under the degree requirements and policies in effect at the semester and year of admission to a graduate degree program. Students that fail to maintain continuous enrollment and are re-admitted to the degree program, graduate under the degree requirements and policies in effect at the time of the new admission date.

A minimum of 30 credit hours of graduate-level coursework including a culminating experience is required for a master’s degree, although individual programs may have higher requirements. The culminating experience may be a comprehensive examination, a capstone course, an applied project, a portfolio, a thesis or equivalent.

Students that have a capstone course requirement must receive a grade of “B” or better. If a student fails to achieve a capstone final grade of “B” or better, they must retake the course.

A minimum of 84 credit hours of graduate-level coursework and a written comprehensive examination are required for a doctoral degree, although individual programs may have higher requirements. Additionally, the Foreign Language Examination, oral comprehensive examination and/or dissertation or equivalent may be required. A written comprehensive examination and prospectus (research proposal) is required for all programs requiring a dissertation.

The Plan of Study (iPOS)

The Plan of Study (iPOS) functions as a contract between the student, the academic unit, and the office for Graduate Education. The iPOS contains certain degree requirements such as coursework, a committee and a culminating experience which must be included before it can be approved. The academic unit’s graduate support staff should be the primary contact regarding iPOS and degree requirements. The iPOS must be approved by a student’s committee, the head of the academic unit, and the Vice Provost for Graduate Education.

To facilitate degree completion and shorten time to degree, graduate students with regular status must submit their iPOS by the time they have enrolled for 50 percent of the minimum credit hours required for their degree program.

Coursework

Graduate-level courses are those numbered 500 or higher. All core courses required by a graduate program must be at least 500-level. A maximum of 6 credit hours of 400-level coursework can be included on an iPOS. 400-level courses taken prior to admission and 400-level courses graded as “Pass/Fail” are not acceptable. Courses with grades of “D”, “E”, or “W” and audited courses (graded as “X”) cannot be included on an iPOS. **Courses applied to a previously awarded degree cannot be included on an iPOS.**

Any course with a grade of Incomplete (“I”) must be completed within one calendar year of the end of the scheduled course. If a regular grade is not assigned within the calendar year, the “I” becomes permanent. The student will have to re-register for the course to receive credit. Additional information regarding incomplete grades may be found at asu.edu/aad/manuals/ssm/ssm203-09.html.

Graduate students may register to audit one or more courses with the approval of the supervisory committee chair and the consent of the instructor involved. An audited course does not count toward the minimum number of credits required for international students with visa restrictions, students employed as TA/RAs, or students receiving financial assistance. Courses taken for audit do not satisfy the Graduate Education continuous enrollment policy. Undergraduate courses not included on the iPOS do not satisfy the Graduate Education continuous enrollment policy.

Master’s degree students whose culminating experience is a thesis must include 6 (and only 6) credit hours of 599 Thesis credits on the iPOS. Doctoral students whose culminating experience is a dissertation must include 12 (and only 12) credit hours of 799 Dissertation credits on the iPOS. Thesis and Dissertation credit hours may only receive grades of “Z” (research is in progress), or “Y” (research is satisfactorily complete). Doctoral students may apply 30 credit hours of appropriate coursework from a previously awarded master’s degree toward their doctoral plan of study.

Petitions

A formal request for an exception to the office for Graduate Education policy requires a petition to be completed by the student, and approved by the committee chair and the head of the academic unit. The office for Graduate Education will review the petition and make a final determination.

ASU Pre-Admission Credit

Pre-Admission Credits

Credit hours completed at ASU or from another regionally accredited US institution or international institution officially recognized by that country, before the semester and year of admission to an ASU graduate degree program, are considered pre-admission credits. With the approval of the degree program and the Graduate Education office, students may include a maximum of 12 graduate-level credit hours with grades of “B” or better that were not used towards a previous degree. Preadmission credits must have been taken within three years of admission to the ASU degree program to be accepted.

Accelerated Bachelor’s/Master’s programs may use a maximum of 12 pre-admission credits which may include up to a maximum of 12 hours shared between the Bachelor’s and Master’s program. Students in accelerated programs should contact their advisor to ensure proper sharing of credit hours.

Official transcripts must be sent to Graduate Admission Services from the records office of the institution where the credits were earned.

Certain types of graduate credits cannot be transferred to ASU, including credits awarded:

- ✧ By post-secondary institutions that lack candidate status or accreditation by a regional accrediting association, or an equivalent international institution.
- ✧ For life experience.
- ✧ For courses taken at non-collegiate institutions (e.g., government agencies, corporations, and industrial firms).

- ✧ For courses, workshops, and seminars offered by other postsecondary institutions as part of continuing education programs.
- ✧ For extension courses.

Academic credits earned at institutions other than ASU that base their credit calculation on a different scale from ASU's are subject to conversion before inclusion on a *Plan of Study*. In all cases, the inclusion of transfer courses on a *Plan of Study* is subject to approval by the degree program and the Vice Provost for Graduate Education.

Graduate Credits Earned by ASU Undergraduate Students

Pre-admission credit hours earned in graduate-level courses (per Graduate Education policy) by ASU undergraduate students may count toward a graduate degree at ASU provided the credit hours have not been used toward a previously awarded degree. Prior to awarding a bachelor's degree, ASU undergraduate students should contact their undergraduate advisor to set aside graduate courses for use toward a future graduate degree so that these courses do not count toward their undergraduate degree.

ASU students enrolled in an approved Bachelor's/Master's degree program (commonly referred to as 4+1), may share ASU credit hours. Students must contact their ASU undergraduate advisor and graduate support staff to ensure proper sharing of credit hours. Students must successfully complete the undergraduate degree and be admitted to the respective graduate program prior to completing 12 credits of graduate coursework.

An undergraduate degree and a graduate degree may not be awarded during the same term of enrollment. Students must apply, be admitted and registered as a graduate student to earn a master's or doctoral degree at ASU.

Sandra Day O'Connor College of Law Credit

The office for Graduate Education accepts a numerical grade of 70 or above for courses taken in the ASU Sandra Day O'Connor College of Law as part of an approved *Plan of Study*. These grades are not used in the two GPAs calculated for graduation unless needed, as determined by the office for Graduate Education. The Sandra Day O'Connor College of Law also utilizes a letter grade system for coursework; letter grades are submitted as part of an approved *Plan of Study* and are calculated in the GPAs.

Repeating ASU Courses

Graduate students (degree or non-degree) may retake any course at ASU; however, all grades are part of the student's permanent academic record and remain on the student transcript as well as in all GPA calculations.

Graduate Foreign Language Examination (FLE)

A graduate degree program may require at least a reading level proficiency of a foreign language relevant to the student's area of study. Students who are required to demonstrate proficiency in a foreign language must pass the [Graduate Foreign Language Examination](#) specific to their particular graduate program. Students must be enrolled for a minimum of one credit hour during the term in which they take the examination.

Students must successfully complete the Foreign Language Examination before taking any required comprehensive examinations or scheduling the final oral defense of the thesis or dissertation. A student may petition the office for Graduate Education for a re-examination but must pass the examination in no more than three attempts.

Master's Degree Plan of Study (iPOS)

Students must submit an iPOS before completing 50 percent of the credit hours required for their degree program. A student is not eligible to schedule a comprehensive examination or defense without an approved iPOS.

Master's Degree Minimum Credit Hours

A minimum of 30 semester hours of graduate work is required for the master's degree at ASU. If a thesis is required, 6 (and only 6) of the minimum required credit hours on an iPOS must be 599 Thesis credits. *Plans of Study* submitted for master's degrees that do not have a thesis requirement cannot include 599 Thesis credits. If an applied project is required, the Applied Project course (XXX 593) must be included on the *Plan of Study* and requires a grade of "B" or better. A "Y" grade is also permitted.

Master's Degree Maximum Time Limit

All work toward a master's degree must be completed within six consecutive years. The six years begins with the semester and year of admission to the program. Graduate courses taken prior to admission that are included on the *Plan of Study* must have been completed within three years of the semester and year of admission to the program.

Master's Degree Supervisory Committee

A master's supervisory committee must be appointed before the student may apply for the comprehensive examination or before the student can register for 599 Thesis credits (if applicable). The committee is appointed by the Vice Provost for Graduate Education upon the recommendation of the head of the academic unit. For programs requiring a thesis or written examination, the supervisory committee is comprised of a minimum of three members, including a chair or co-chairs.

Tenured/tenure-track faculty may serve as members of a master's graduate supervisory committee, chair or co-chair. The chair of the committee is typically from the student's degree program and should be carefully selected by the student to guide their work. ASU academic professionals or non-tenure accruing faculty with appropriate academic credentials may serve as a member or co-chair on master's committees; they may not serve as chair of a master's supervisory committee.

Master's Thesis/Thesis Defense

To satisfy the research requirement for master's degrees, a student is expected to present a thesis that is defended in an oral examination. Degree programs may have requirements in addition to the thesis (e.g. comprehensive examinations). Students should check with their degree program to confirm requirements. An oral defense of the thesis is required and must be completed to the satisfaction of the supervisory committee. At least 50% of the committee must be physically present at the oral defense. Students must be physically present at the oral defense of their thesis. Students must be registered for:

- ✦ At least one semester hour of credit that appears on the *Plan of Study*; OR
- ✦ At least one semester hour of appropriate graduate-level credit, for example: Research (592), Thesis (599), or Continuing Registration (595 or 695); OR
- ✦ At least one hour of a graduate-level course.

Revisions to the thesis are typical and must be completed in a timely manner. If the student is unable to complete revisions to the thesis and submit to UMI/ProQuest by the deadline for the semester in which the

defense is held, the student must complete the revisions, remain continuously enrolled, and present the final document to UMI/ProQuest within one year of the defense. Failure to do so will require the re-submission of the document for format review and may result in re-defense of the thesis to ensure currency of the research.

Other Master's Culminating Experiences

A comprehensive examination, capstone course, applied project or portfolio is required as a culminating experience in master's programs that do not have a thesis requirement. The office for Graduate Education requires a written component to the comprehensive examination; academic units may also require an oral component. Students must have an approved iPOS prior to scheduling their comprehensive examination and/or registering for their applied project or capstone course. An applied project requires registration in the Applied Projects course (XXX 593) and requires a grade of "B" or better, a grade of "Y" is also permitted. A capstone course requires a grade of "B" or better.

Students are required to register for at least one semester hour of credit that appears on the iPOS or one hour of appropriate graduate-level credit during the fall, spring or summer session in which they complete their culminating experience.

Master's Comprehensive Examination

Students must be in good academic standing regarding GPA requirements (see previous section titled "Satisfactory Academic Progress") prior to taking master's comprehensive examinations. Foreign language requirements, if applicable, must be fulfilled before taking the comprehensive examinations.

Students are required to register for at least one semester hour of credit that appears on the iPOS or one hour of appropriate graduate-level credit during the fall, spring or summer session in which they take their comprehensive examinations.

The master's comprehensive examination must have a written component; however, individual master's degree programs may require an additional oral component of the comprehensive exam for all of their students based on the academic progress policy of the program.

The student must schedule the comprehensive examination with their academic unit. All comprehensive examination results must be reported to the office for Graduate Education immediately upon completion. Academic units are not required to allow students a second opportunity; upon failing comprehensive examinations, academic units may submit a recommendation to the office for Graduate Education requesting dismissal of the student from the degree program.

Failing the comprehensive examination(s) is considered final unless the supervisory committee and the head of the academic unit recommend and the Vice Provost for Graduate Education approve a re-examination. Only one re-examination is permitted. A petition with substantial justification for re-examination, endorsed by the members of the student's supervisory committee and the head of the academic unit, must be approved by the Vice Provost for Graduate Education before a student can take the examination a second time.

Re-examination may be administered no sooner than three months and no later than one year from the date of the original examination. The office for Graduate Education may withdraw a student from the degree program if the student's petition for re-examination is not approved, or if the student fails to successfully pass the retake of the comprehensive examination(s).

Students choosing to appeal the results of their comprehensive examinations must follow the grade appeals process outlined by their academic unit.

Doctorate Degree

Doctoral Degree Plan of Study (iPOS)

Students must submit an iPOS before completing 50 percent of the credit hours required for their degree program. A student is not eligible to apply for the Foreign Language Examination (if applicable), comprehensive examinations, dissertation proposal/prospectus or dissertation defense (if applicable) without an approved iPOS.

Doctoral Degree Minimum Credit Hours

A minimum of 84 semester hours of graduate work is required for the doctorate degree at ASU. If a dissertation is required, 12 (and only 12) of the minimum required credit hours on an iPOS must be 799 Dissertation credits. *Plans of Study* submitted for doctorate degrees that do not have a dissertation requirement cannot include 799 Dissertation credits. Students may apply 30 credit hours from a previously awarded master's degree toward their doctoral *Plan of Study* with approval of the degree program and the Vice Provost for Graduate Education.

Doctoral Degree Maximum Time Limit

Doctoral students must complete all program requirements within a ten-year period. The ten-year period begins with the semester and year of admission to the doctoral program. Graduate courses taken prior to admission that are included on the iPOS must have been completed within three years of the semester and year of admission to the program (previously awarded master's degrees used on the *Plan of Study* are exempt).

Additionally, the student must defend the dissertation within five years after passing the comprehensive examinations. Therefore, the maximum time limit is the shortest of the following:

- ✦ Time period since initial enrollment (10 year time limit); OR
- ✦ Time after passing the comprehensive exams (5 year time limit).

Any exception must be approved by the supervisory committee, the head of the academic unit and the Vice Provost for Graduate Education. If a time limit exception is approved, the student may need to re-take the comprehensive examinations. The office for Graduate Education may withdraw students who are unable to complete all degree requirements and graduate within the allowed maximum time limits.

Doctoral Degree Supervisory Committee

Upon the recommendation of the head of the academic unit, the Vice Provost for Graduate Education appoints the student's dissertation committee. The committee must be comprised of at least three members, including either a chair or co-chairs. Doctoral programs may have additional requirements for committee composition. This committee serves as the intellectual guide for the student and must approve the research/scholarly focus and substance of the dissertation. The members of the dissertation committee have the necessary knowledge and skills to advise the student during the formulation of the research topic and during the completion of the research and the dissertation.

Dissertation chairs and co-chairs must be approved by the Vice Provost for Graduate Education and each degree program maintains the list of faculty approved by the office for Graduate Education. Most resident faculty at ASU may serve on dissertation committees with the proviso that they have appropriate expertise in the discipline.

All PhD programs have a [Graduate Faculty](#). The Graduate Faculty in a PhD program may also include highly qualified individuals from outside the university who have been approved to serve on committees. Each PhD program maintains the list of faculty approved by the office for Graduate Education to chair or co-chair PhD dissertations. Additional information regarding ASU Graduate Faculty can be found at graduate.asu.edu/graduate_faculty_initiative.

Doctoral students (including PhD, DMA, DBH, DNP and EdD) are urged to communicate with their academic unit to confirm eligibility of faculty to chair doctorate committees.

The final committee membership must be appointed by the Vice Provost for Graduate Education before the student may apply for comprehensive examinations, defend the dissertation prospectus, and register for 799 Dissertation course credits (if applicable).

Doctoral Comprehensive Examination

Students must be in good academic standing regarding GPA requirements (see previous section titled “Satisfactory Academic Progress”) prior to taking doctoral comprehensive examinations.

When students have essentially completed the coursework on an approved iPOS, they must request permission to take the doctoral comprehensive examination. The doctoral comprehensive examination must have a written component; however individual doctoral programs may require an additional subsequent oral component of the comprehensive exam for all of their students based on the academic progress policy of the program. These examination(s) are designed to assess a student's mastery of the field of specialization. Doctoral comprehensive examination(s) are administered by a committee consisting of a minimum of three members.

Foreign language requirements, if applicable, must be satisfied before taking the comprehensive examination(s).

During the fall, spring or summer session that the student takes the comprehensive examination(s), they are required to register for:

- ✧ At least one semester hour of credit that appears on the *Plan of Study*; OR
- ✧ At least one semester hour of appropriate graduate-level credit, for example: Research (792), Dissertation (799), or Continuing Registration (795); OR
- ✧ At least one hour of a graduate-level course.

All comprehensive examination results must be reported to the office for Graduate Education immediately upon completion. Academic units are not required to allow students a second opportunity; upon failing comprehensive examinations, academic units may submit a recommendation to the office for Graduate Education requesting dismissal of the student from the degree program.

Failing the comprehensive examination(s) is considered final unless the supervisory committee and the head of the academic unit recommend and the Vice Provost for Graduate Education approve a re-examination. Only one re-examination is permitted. A petition with substantial justification for re-examination, endorsed by the members of the student's supervisory committee and the head of the academic unit, must be approved by the Vice Provost for Graduate Education before a student can take the examination a second time. Re-examination may be administered no sooner than three months and no later than one year from the date of the original examination. Graduate Education may withdraw a student from the degree program if the student's petition for re-examination is not approved, or if the student fails to successfully pass the retake of the comprehensive examination(s).

Students choosing to appeal the results of their comprehensive examinations must follow the grade appeals process outlined by their academic unit.

Doctoral Prospectus Defense

All doctoral degree programs that require students to complete a dissertation must require students to complete a dissertation proposal/prospectus and submit the results to the office for Graduate Education. Failure of the doctoral dissertation prospectus oral defense is considered final unless the supervisory committee and the head of the academic unit recommend and the Vice Provost for Graduate Education approve a second proposal defense. If a petition is approved, the student must submit the new prospectus by the end of six months (the six months begins from the date that the first doctoral dissertation proposal defense was held). If the academic unit does not grant the student permission to retake the proposal defense, or if the student fails to pass the retake of the proposal defense, Graduate Education may withdraw the student from the degree program.

Students are required to register for at least one semester hour of credit that appears on the iPOS or one hour of appropriate graduate-level credit during the fall, spring or summer session in which they conduct their doctoral prospectus.

Doctoral Candidacy

Doctoral students (with specific degree program exceptions approved by the Vice Provost for Graduate Education) achieve candidacy status upon the successful completion of the comprehensive examination(s), the Foreign Language Examination (if applicable), and successfully defending the dissertation prospectus (if applicable). Doctoral students who have been advanced to candidacy are required to maintain continuous enrollment until all degree requirements have been completed and the student graduated.

Doctoral Dissertation/Dissertation Defense

The written doctoral dissertation is based on an original and substantial scholarly work that constitutes a significant contribution to knowledge in the student's discipline. The dissertation research must be conducted during the time of the student's doctoral studies at ASU, under guidance of ASU Graduate Faculty, and in accordance with the office for Graduate Education policies and procedures. The composition of the dissertation is defined by the degree program with the approval of the Vice Provost for Graduate Education.

The dissertation research experience culminates in a final oral exam, commonly known as the "dissertation defense." A final public dissertation defense is required. At least 50% of the committee must be physically present at the oral defense. Students must be physically present at the oral defense of their dissertation. During the semester that the student defends the dissertation they are required to register for:

- ✧ At least one semester hour of credit that appears on the *Plan of Study*; OR
- ✧ At least one semester hour of appropriate graduate-level credit, for example: Research (792), Dissertation (799), or Continuing Registration (795); OR
- ✧ At least one hour of a graduate-level course.

Revisions to the dissertation are typical and must be completed in a timely manner. If the student is unable to complete revisions to the thesis and submit to UMI/ProQuest by the deadline for the semester in which the defense is held, the student must complete the revisions, remain continuously enrolled, and present the final document to UMI/ProQuest within one year of the defense. Failure to do so will require the re-submission of the document for format review and may result in re-defense of the dissertation to ensure currency of the research.

Graduate Certificates

The graduate certificate is a programmatic series of linked courses. Graduate certificates facilitate professional growth for people who already hold the baccalaureate degree. For more information on current graduate certificates see the [Graduate Degree and Certificate Search](#) page.

Certificate Admission

All applications for graduate certificate programs must be submitted through asu.edu/gradapp.

Certificate Requirements

A minimum of 15 semester hours of graduate work is required to complete a graduate certificate. No more than one-fifth (20 percent) of the minimum required credit hours for a graduate certificate may be transferred from another university. All transfer work must meet the office for Graduate Education transfer policies. All coursework used to complete an ASU graduate certificate must be completed within a six-year time limit. Courses at a 400-level may be allowed with prior approval from the appropriate certificate program; however, a minimum of two-thirds of the courses taken to complete the certificate must be at the 500-level or above. No more than 40% of coursework towards the requirements of a graduate certificate can be completed prior to admission to the certificate program.

Awarding of a Graduate Certificate

A student will be eligible for the official posting of the graduate certificate to their transcripts when all applicable coursework has been successfully completed and the office for Graduate Education scholarship requirements have been met. Students must submit an iPOS for the graduate certificate program, and apply for graduation.

Concurrent Master's Degrees

A student may pursue concurrent master's degrees with prior written approval from the head of the academic unit for each degree program and the office for Graduate Education. A separate online application is required for each degree program. A maximum of 20 percent of the minimum total semester hours for the completion of both degrees may be common hours shared between the *Plans of Study*. The total number of hours common to both degree programs may vary from this maximum value only when the office for Graduate Education has formally approved coordinated degree programs.

Coursework common to both programs must constitute a well-planned and meaningful part of each of the programs and may only include coursework completed after admission to both degree programs. In all cases, the guidelines below must be followed:

1. The student must be enrolled in both programs each fall and spring semester to maintain continuous enrollment or must submit a *Request to Maintain Continuous Enrollment* form. A Graduate Education approved Request applies to both degree programs; students may not be registered for coursework in either program.
2. Graduate credit transferred from another institution may be applied toward only one degree program.
3. Culminating experiences (e.g. capstone courses, theses, applied projects) and comprehensive examinations cannot be shared between concurrent degree programs.
4. The six year maximum time limit for completing degree requirements and graduation apply to each concurrent degree individually.

Concurrent Master's/Doctoral Degrees

A student may pursue concurrent master's/doctoral degrees provided the degree programs are in different areas with prior written approval from the head of the academic unit for each degree program and the office for Graduate Education. A separate online application is required for each degree program. A maximum of 9 credit hours may be common hours shared between the *Plans of Study*.

Coursework common to both programs must constitute a well-planned and meaningful part of each of the programs and may only include coursework completed after admission to both degree programs. In all cases, the guidelines below must be followed:

1. The student must be enrolled in both programs each fall and spring semester to maintain continuous enrollment or must submit a *Request to Maintain Continuous Enrollment* form. A Graduate Education approved Request applies to both degree programs; students may not be registered for coursework in either program.
2. Graduate credit transferred from another institution may be applied toward only one degree program.
3. Culminating experiences (e.g. capstone courses, theses, dissertations, applied projects) and comprehensive examinations cannot be shared between concurrent degree programs.
4. The maximum time limits for completing degree requirements and graduation apply to each concurrent degree individually (6 years for Master's; 10 years or 5 years after comprehensive exams for doctoral).

Concurrent Doctoral Degrees

A student may pursue concurrent doctoral degrees provided the degree programs are in different academic areas with prior written approval from the head of the academic unit for each degree program and the office for Graduate Education. A maximum of 12 credit hours may be common hours shared between the *Plans of Study*. In all cases, the guidelines below must be followed:

1. The student must be enrolled in both programs each fall and spring semester to maintain continuous enrollment or must submit a *Request to Maintain Continuous Enrollment* form. A Graduate Education approved Request applies to both degree programs; students may not be registered for coursework in either program.
2. The 30 hours allowed from a previously awarded master's degree may only be applied to one of the doctoral programs and graduate credit transferred from another institution may be applied toward only one degree program.
3. The comprehensive examination, the dissertation prospectus, and the dissertation cannot be shared between concurrent degree programs.
4. The student must meet the 10 year maximum time limit and 5 year limit after comprehensive exams for each degree.

Master's in Passing (MIP)

In those cases where there is an approved Master's in Passing (MIP) program in place for a doctoral degree, those doctoral students who complete the requirements of the approved MIP may be awarded the related master's degree. Students should check with their doctoral program to see if there is an approved Master's in Passing for their degree.

Students who include 30 hours from a previously awarded master's degree on their doctoral *Plan of Study* are not eligible for a Master's in Passing. All coursework included in an MIP *Plan of Study* must have been completed after the semester and year of admission to the doctoral program.

Bachelor's/Master's Accelerated Programs

In a limited number of pre-approved programs, ASU will allow for the simultaneous pursuit of an undergraduate and graduate degree. In such cases, the program must be approved by the Vice Provost for Graduate Education. The students must successfully complete the undergraduate degree and be admitted to the respective graduate program prior to completing 12 credits of graduate coursework. Students must contact their ASU undergraduate advisor and graduate support staff to ensure proper sharing of credit hours.

Students may not share any credit hours taken as an undergraduate student unless they have been formally admitted to an approved accelerated program.

Research Considerations

The master's thesis and doctoral dissertation (or equivalent) must be based on original and independent research/creative activity conducted by the student, under the guidance of the graduate supervisory committee. The thesis is an introduction to scholarly writing and is intended to create an understanding of theory and methods applicable to one's field. The dissertation should demonstrate the candidate's mastery of research and scholarly methodologies, theory, and tools of the discipline. Both the thesis and dissertation should demonstrate the candidate's ability to address a major intellectual problem and to propose meaningful questions and hypotheses, as well as utilize the methods with which to study the proposed research question(s) and related hypotheses, and draw conclusions.

Supervisory Committees

Students are guided by faculty mentors who advise them through their degree program. Students should identify their advisors early in their graduate career and look to them for guidance in their graduate work. Once the student has selected a thesis/dissertation committee, the head of the academic unit recommends the supervisory committee to the Vice Provost for Graduate Education who reviews and appoints the Committee. Graduate supervisory committees must consist of a minimum of three individuals, including the chair or co-chairs.

Faculty Emeriti who meet Graduate Education criteria may serve as members or co-chairs on graduate supervisory committees. They may serve as chairs with the recommendation of the academic unit and approval of the Vice Provost for Graduate Education on a case by case basis. Qualified individuals outside the university, upon the recommendation of the head of the academic unit and approval of the office for Graduate Education, may serve as members of thesis and dissertation committees. All such requests must be submitted to the Vice Provost for Graduate Education for approval.

Research Involving Human and Animal Subjects

Theses or dissertations that make use of research involving human or animal subjects must include a statement indicating that the research has been approved by the appropriate university body.

Research involving human subjects conducted under the auspices of Arizona State University is reviewed by the University Human Subjects Institutional Review Board (IRB) in compliance with federal regulations. Documents containing any data collection from human subjects require that applications be submitted to the ASU Office of Research Integrity and Assurance for approval **before** data collection or recruitment of subjects is initiated at researchintegrity.asu.edu/humans.

Research involving the use of animals conducted under the auspices of Arizona State University is reviewed by the Institutional Animal Care and Use Committee (IACUC) in compliance with federal regulations. Documents

containing any data collection from animal research require that applications be submitted to ASU Office of Research Integrity and Assurance for approval at researchintegrity.asu.edu/animals.

It is very important that students check with their thesis/dissertation advisor well in advance of data collection to ensure compliance with university regulations regarding the collection of research data.

Thesis/Dissertation Defenses

Thesis and dissertation defenses are open to all members of the university community and the general public. The oral defense engages the supervisory committee and the candidate in a critical and analytical discussion of the research and findings of the study, as well as a review of the contribution of the research topic to advancing knowledge in that discipline. The presentation of a thesis or dissertation defense in an open forum fosters a broader awareness of the state of graduate research at ASU, promotes a wider scholarly dialogue among disciplines, and recognizes publicly the scholarly contributions of master's or doctoral candidates.

Defenses must be scheduled through MyASU at least 10 working days in advance of the defense date. It is expected that oral defenses will be held on an ASU campus during regular business hours in order to facilitate student, faculty, and public accessibility. When there are sound educational reasons for holding a defense under different circumstances, contact the office for Graduate Education for approval **before** scheduling the defense.

Students must be physically present at the oral defense of their thesis, dissertation or equivalent document. If, due to unforeseen circumstances, they cannot be physically present, then the oral defense must be rescheduled to another date when they can be physically present.

It is desirable that all members of a student's supervisory committee be physically present with the student at the final oral defense of a thesis or dissertation. However, there are situations (e.g. faculty travel, faculty emergencies and/or faculty leave) that may necessitate holding a defense with one or more committee member(s) absent. In all cases at least 50% of the committee must be physically present. If a committee member cannot physically attend, they can tele/video conference, or they can appoint a substitute to attend in their place. The substitute should be a regular faculty member with the academic unit. The supervisory committee chair must be physically present; if there are two co-chairs, one of them may tele/video conference if needed. In either case, please email grad-gps@asu.edu with the student's ID number and the name of the tele/videoconferencing member or with the names of the member who will be absent and the faculty member who will attend as a substitute. This information must be submitted **before** the defense.

Degree Completion

The final culminating experiences for graduate degrees vary by program. In many master's degree programs a thesis is required, in other programs the culminating experience is an applied or professional project. In all PhD programs, as well as in most professional doctoral programs, dissertations are required. Theses and dissertations are officially documented and archived. Theses and dissertations are submitted to UMI/ProQuest, which makes their content available to the public. Information on the dissertation later appears in *Dissertation Abstracts International*. For this reason, all theses and dissertations must undergo Graduate Education format review. The Vice Provost for Graduate Education reviews the content to affirm the quality and originality of the scholarly work.

Scheduling a Defense and Format Review

At least 10 working days prior to the planned defense of a thesis, dissertation or equivalent, students schedule the defense through their MyASU. See [Graduation Deadlines](#). Students work with their supervisory committee and the academic unit's graduate support staff to identify a suitable date and reserve a room. When a defense

date and location have been identified and the defense has been scheduled through MyASU, students submit a complete draft copy of the thesis/dissertation to be defended via email to gradformat@asu.edu. The defense will be published on the Graduate Education [Master's/Doctoral Defense Schedule](#) website that updates every Monday.

The [Format Manual](#) is a comprehensive guide to formatting a thesis, dissertation or equivalent document and it always overrides a Style Guide if the two conflict. Students must use the *Format Manual* to prepare their thesis/dissertation. Questions regarding the *Format Manual* requirements should be directed to gradformat@asu.edu.

The Graduate Education's [Formatting Tool](#) uses the *Format Manual* guidelines to generate a template into which you insert your document's text. The formatting tool is designed to help students with the basic format requirements such as margins and spacing, and greatly improves the format review process for students.

UMI/ProQuest Submission

Students are required to create a new user account specific to the submission of their document and must use their ASU email address. UMI/ProQuest requires all students to submit a PDF version of their final document. The ASU office for Graduate Education requires that the PDF document is in compliance with the formatting standards presented in the format manual. Students will receive final format approval only after the submitted PDF document has successfully passed a format review. Students have an opportunity to order bound copies of their document for themselves through UMI/ProQuest.

Graduation

Students must apply for graduation through MyASU in accordance with the University Registrar policies. See [Application for Graduation](#). Students must meet all University and Graduate Education degree requirements prior to the conferral of their degree.

The graduation deadlines and procedures are set by the office for Graduate Education and are available online at graduate.asu.edu/progress/graduation_deadlines. Deadline dates vary slightly depending on the calendar year, so students should check them carefully in advance of the semester they plan to defend their thesis/dissertation. It is very important that students become familiar with these deadlines so that graduation can occur during the expected term.

Graduate Student Appeals

The Graduate Council Appeals Board (GCAB) serves as the appeals body for graduate students seeking redress on procedural issues related to academic decisions regarding their graduate programs. ***Before initiating an appeal, the graduate student must fully utilize any and all other appeal and review processes available in the student's program, academic unit or college/school.*** The GCAB will not entertain any appeals until the graduate student has exhausted all other appropriate appeal procedures.

The GCAB reviews written appeals of graduate students concerning:

- ✧ Procedural matters in graduate student programs (e.g., procedures related to *Plans of Study*, satisfactory academic progress, theses, dissertations, and preliminary, qualifying or comprehensive exams).
- ✧ Academic issues that are not covered by other university policies or processes.

The GCAB does not review appeals pertaining to the following areas because these appeals are heard by other university bodies (see parentheses below):

- ✧ Course grades (subject to review by the academic unit and college/school).
- ✧ Results of capstone experiences, preliminary, comprehensive and qualifying examinations and defenses (subject to review by the academic unit and college/school).
- ✧ Recommended dismissal by a program or academic unit due to lack of satisfactory academic progress (subject to review by the academic unit and college/school).
- ✧ Allegations of academic dishonesty (subject to review under the ASU Student Academic Integrity Policy located at provost.asu.edu/academicintegrity/policy).
- ✧ Allegations of scientific misconduct (subject to review under ASU policy RSP 210 ["Misconduct in Research"] in the Research and Sponsored Projects Policy and Procedures Manual).
- ✧ Allegations of discrimination (subject to review by the ASU Office of Equity and Inclusion).

The Guidelines for Graduate Appeals describing further the GCAB appeal procedures, process and jurisdiction are available from the office for Graduate Education and on the website at:

graduate.asu.edu/sites/default/files/Graduate_Appeals_Guidelines.pdf.



graduate.asu.edu

College Policies

Business, W. P. Carey School of

The W. P. Carey School of Business is one of the largest and highest-ranked business schools in the country, repeatedly lauded by publications like The Wall Street Journal, Financial Times, Princeton Review and U.S. News & World Report. The school is internationally regarded for its leadership in business education, research productivity and distinguished faculty members, including a Nobel Prize winner. Students come from all over the world and include dozens of National Merit Scholars.

Our academic choices are as diverse as they are abundant. Undergraduates can earn a BS in one of nine business disciplines or a BA that combines core business classes with a concentration outside the W. P. Carey school. Our programs of study reflect and respond to the demands of business and industry today and beyond, and we have dedicated career placement services. We are located in the heart of the fast-growing Phoenix metropolitan area, which provides opportunities for internships, employment and networking. Our classes are offered on ASU's Tempe, Polytechnic, West and Downtown Phoenix campuses. For more information, visit wpcarey.asu.edu [1].

Undergraduate Policies

Academic Integrity

Academic Dishonesty

The faculty of the W. P. Carey School of Business follow the guidelines in the student academic integrity policy on academic dishonesty. A copy of the policy may be obtained online at <https://provost.asu.edu/index.php?q=academicintegrity> [2].

The W. P. Carey School of Business honor code may be found online at <https://my.wpcarey.asu.edu/academic-integrity/code-of-conduct.cfm> [3].

Academic Standing

Probation

All business students, freshman through senior, must maintain a minimum 2.00 GPA for all courses completed at ASU. If this standard is not maintained, the student is placed on university academic probation. Students on university academic probation must see an advisor before further registration and must do one of the following:

1. Raise the ASU cumulative GPA to 2.00 or higher in order to return to academic good standing.
2. Obtain a semester GPA of 2.50 with no grade lower than a "C" in order to be granted one additional semester on continued college probation. At the end of continued college probation, the student must return to academic good standing (a minimum cumulative ASU GPA of 2.00) to avoid disqualification.

Disqualification

Students who do not meet college probation requirements are academically disqualified. Disqualified students should meet with their academic advisors. These students may attend ASU during the summer session immediately following disqualification only.

Advising

W. P. Carey offers undergraduate program academic advising at the Polytechnic, Tempe and West campuses. Students may find personalized advising information and may schedule appointments in advance at <http://wpcarey.asu.edu/sos/> [4]. Students admitted to the W. P. Carey leaders academy or business honors program may schedule appointments by visiting the W. P. Carey School Undergraduate Advising S.O.S. website at <https://my.wpcarey.asu.edu/apps/advising/index.cfm> [5], visiting McCord Hall 102 or calling 480-965-8710.

To ensure students are making progress toward their degrees, we encourage students to schedule appointments each semester. We require advising for:

- newly admitted students, prior to enrollment for the first term (at orientation)
- freshman students, prior to enrollment for the second term
- transfer students, prior to enrollment for the second term
- seniors, upon completion of 87 or more credit hours
- any student who is on university academic probation
- any student who is off track in regard to Sun Devil Tracking requirements

For additional information regarding academic advising, visit <https://my.wpcarey.asu.edu/undergrad/advising/overview.cfm> [6] or contact the W. P. Carey School of Business undergraduate programs office at 480-965-4227.

Credit/Registration

Pass/Fail

Business majors may not enroll on a pass/fail basis for any course required for graduation. Pass/fail credits taken at another institution may be petitioned for use, but only if the student can demonstrate proof that the pass grade was equivalent to a "C" (2.00) or higher.

Transfer Credit

Credit from other institutions is accepted subject to the following guidelines: Students planning to take their first two years of work at a community college or another four-year college should take only those courses in business and economics that are offered as freshman- or sophomore-level courses at any of the state-supported Arizona universities. These lower-division courses are numbered 100 through 299. A maximum of 30 hours of business and economics courses from community colleges are accepted toward a bachelor's in business.

Students may transfer up to nine credit hours of approved upper-division business course work required for the business degree to ASU. Upper-division business courses taught in the junior or senior year in the state universities may not be completed at a two-year college for transfer credit in the business core or major. Such courses may be utilized in the free elective category subject to the 30-hour limitation. Courses taught as vocational or career classes at the community colleges that are not taught in the schools of business at any one of the state universities are not accepted for credit toward a bachelor's degree. Courses taught in the upper-division business core at the state universities must be completed at the degree-granting institution unless transferred from an accredited four-year school. Normally, upper-division business course transfer credits are accepted only from AACSB International-accredited schools. To be accepted for credit as part of a degree program in business, all courses transferred from other institutions must carry prerequisites similar to those of the courses they are replacing at ASU.

Degree Requirements

Critical Requirements

All business students must meet the critical requirements for their majors. Students who are required to follow eAdvisor Tracking requirements and do not comply with the critical requirements are off track and have a hold placed on their records. These students must meet with an advisor to have their hold removed. For more information, visit <https://my.wpcarey.asu.edu/undergrad/advising/tracking.cfm> [7].

Reinstatement/Readmission

Students seeking readmission after an absence from the university should contact the undergraduate programs office, in BA 109, regarding policies and procedures.

Other Special Requirements

Major Proficiency Requirements

Students must receive grades of “C” (2.00) or higher in upper-division courses for the major. If a student receives a grade below “C” (2.00) in any course in the major, this course must be repeated. If a second grade below “C” (2.00) is received in either an upper-division course in the major already taken or in a different upper-division course in the major, the student is no longer eligible to take additional upper-division courses in that major.

Student Appeal Procedure on Grades

W. P. Carey School of Business students follow the university policy for student appeal procedure on grades, which may be found online at <https://catalog.asu.edu/appeal> [8].

Admission

Because of the additional requirements for the BS, students who do not meet minimum admission standards will automatically be considered for the BA in the W.P. Carey School of Business. Freshman admission requirements for the BA program are the same as the university's freshman admission requirements. Transfer students wanting to be placed in the BA program must have a 3.00 GPA for all transfer course work and a 3.00 GPA for all ASU course work and meet university transfer admission requirements.

Graduate Policies

All graduate students in the W. P. Carey School of Business are required to maintain a cumulative GPA of "B" (3.00). See individual graduate degree programs for specific requirements on satisfactory academic progress, probation and disqualification.

Advising

Advising of graduate students is normally handled by graduate faculty members. Once admitted, students can request a temporary faculty advisor in a potential area of concentration in order to prepare a plan of study. Students are encouraged to begin discussions with faculty members early in their studies so course work can be geared toward supporting their academic progress. All students, whether in a thesis or nonthesis option, must file a plan of study.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies including those of Graduate Education and the W. P. Carey School of Business.

Source URL: <https://catalog.asu.edu/policies/business>

Links:

- [1] <http://wpcarey.asu.edu/>
- [2] <https://provost.asu.edu/index.php?q=academicintegrity>
- [3] <https://my.wpcarey.asu.edu/academic-integrity/code-of-conduct.cfm>
- [4] <http://wpcarey.asu.edu/sos/>
- [5] <https://my.wpcarey.asu.edu/apps/advising/index.cfm>
- [6] <https://my.wpcarey.asu.edu/undergrad/advising/overview.cfm>
- [7] <https://my.wpcarey.asu.edu/undergrad/advising/tracking.cfm>
- [8] <https://catalog.asu.edu/appeal>

Design and the Arts, Herberger Institute for

The Herberger Institute for Design and the Arts is built on a combination of disciplines unlike any other program in the nation, comprising schools of art; arts, media and engineering; design; film, dance and theatre; music, as well as the ASU Art Museum.

The Herberger Institute recommends students contact the Office of Student Success at 480-965-4495 to obtain the most current information on college policies. The Herberger advising staff are available to assist with any questions regarding the institute's policies.

Undergraduate Policies

Academic Integrity

Academic honesty is expected of all students in all examinations, papers, academic transactions and records. The possible sanctions include, but are not limited to: appropriate grade penalties, loss of registration privileges, disqualification and dismissal. The Herberger Institute for Design and the Arts strictly adheres to the ASU student academic integrity policy. Information about the policy can be found at <http://provost.asu.edu/academicintegrity> [1].

Academic Standing

Probation

A student in any of the institute's degree programs is placed on university academic probation when he or she fails to maintain a cumulative GPA of 2.00. Students on academic probation must observe rules or limitations the institute imposes on their probation as a condition of retention. All Herberger Institute students who are placed on academic probation are required to attend mandatory advising appointments in an effort to help them improve their academic standing. Students are required to complete an academic success contract with their advisor to discuss campus academic resources, plan semester goals and discuss strategies to attain academic success. These meetings continue until the student earns a cumulative GPA of 2.00 or higher.

Disqualification

If the overall GPA is not at the required level and the conditions of probation have not been met after one semester on probation, the student is disqualified for a minimum of two full academic semesters. Disqualification is exercised at the discretion of the institute and becomes effective on the first day of the fall or spring semester following institute action. A disqualified student is notified by the Office of the Registrar or the dean of the institute and is not allowed to register for a fall or spring semester at the university until reinstated.

Reinstatement

A disqualified or ineligible student who has skipped a fall or spring semester must follow the procedures for readmission. See readmission to the university [2].

A disqualified or ineligible student who has not skipped a semester may contact an advisor in his or her college to see if reinstatement is possible. (See reinstatement: <https://catalog.asu.edu/glossary#reinstatement> [3].) If the student wishes to transfer to a different college, he or she may submit an application for reinstatement to the college into which he or she wishes to transfer. An ineligible student who does not skip a fall or spring semester must follow the ineligible procedures. See ineligible status.

Disqualified students may attend summer sessions at ASU to raise their cumulative GPA. If a 2.00 or higher cumulative GPA is achieved upon completion of summer course work, the student may petition the institute for early reinstatement. Applications for readmission to ASU must be made to the admission services office. By following recommendations and meeting established standards for summer course work or course work completed at other institutions, the possibility of successful reinstatement is enhanced. All students who are academically disqualified or who are off track for two semesters should contact a Herberger advisor. Advisors provide transitional advising for students who must choose another major.

Also available in the Office of Student Success is information on the college policies and procedures for student grievances with respect to grades and various petitions regarding standards and graduation requirements.

Advising

Undergraduate academic advising is handled as a centralized activity within the institute. Students are encouraged to make appointments through the Herberger Institute Office of Student Success. For more information, visit the advising website: <http://herbergerinstitute.asu.edu/students/undergrad/advising.php> [4]. While the institute provides academic advising, it is ultimately the responsibility of each student to fulfill academic and program requirements. Administration of program requirements is the responsibility of the head of the academic unit and the dean.

Credit/Registration

Course Load

First-semester freshmen and entering transfer students are not permitted to register for more than 18 credit hours in Session C or nine credit hours in Session A and nine credit hours in Session B. Other students who wish to register for more than 18 hours must meet the academic criteria for an overload petition and work with their academic advisor in the Herberger Office of Student Success. Any petition for an overload in excess of 21 hours (or more than 10 hours in either Sessions A or B) must be presented to the advising manager. No student should assume that his or her petition for overload will be granted.

For summer sessions, the maximum course load is 14 credit hours, seven per six-week summer session. Overloads are rarely granted for these sessions and requests must be petitioned to the Herberger Office of Student Success.

Audit Grade Option

Students may choose to audit courses in which they attend regularly scheduled class sessions but earn no credit. Students should obtain instructor approval before registering for the course(s).

Note: This grade option may not be changed after the drop/add period.

Pass/Fail or Credit/No Credit

The only courses accepted toward graduation with a grade of pass/fail or credit/no credit are courses designated by the academic unit as such, or internships and field studies.

Transfer Credits

While the university accepts credits transferred from other accredited institutions, transfer course work must be equivalent in content and level of offering. Arts or design transfer credits are not applied to specific degree programs until reviewed and accepted by the appropriate academic units. Students who change majors to transfer into the institute or one of its program areas must have a minimum cumulative GPA of 2.50. A student wishing to enter a major that requires an audition, interview, milestone or portfolio review may be required to successfully complete this requirement before changing their major. Any student transferring to art, dance, music or theatre and film must complete a creative review to enter most majors, and some arts transfer credit will not be evaluated until after successful completion of the creative review. The Design School requires a review of samples of work (portfolio format) from previous studio classes to evaluate transfer studio credits.

Incompletes

Students are responsible for contacting their course instructors regarding the process of requesting and fulfilling requests for an incomplete. The grade of "I" (incomplete) can only be given by an instructor when a student who is doing otherwise acceptable work is unable to complete a course (e.g., final exam or term paper) because of illness or other conditions beyond the student's control. Students must obtain the official form to request a grade of incomplete at <http://students.asu.edu/forms/incomplete-grade-request> [5]. A completed form must include a justification, a listing of requirements that have not been fulfilled and a proposed schedule of completion. The instructor will review the request and determine whether to accept or deny the request. If accepted, the instructor may propose modifications, if necessary, and submit a copy of the request to the appropriate office. An incomplete in any course that is a prerequisite for sequential courses automatically denies enrollment in subsequent courses or could result in the student being administratively dropped from a subsequent course if the student has already enrolled. The student has one calendar year from the date the grade of "I" is recorded to complete the course. A student does not reregister or pay fees for a course for which an "I" has been received in order to complete the course. Grades of "I" for undergraduate course work that have been on a student's record for more than one calendar year will be automatically changed to a grade of "E."

Withdrawals

University withdrawal regulations apply to all courses. In addition, because the institute's curricula are modular and sequential and because space in the programs is limited, a student is expected to progress through the curriculum with his or her class.

Degree Requirements

Critical Requirements

All Herberger students must meet the program and critical requirements for their majors. A student who does not comply with the critical requirements is off track and will have a hold placed on their record, and the student will be required to meet with a Herberger academic advisor to have the hold removed. For more information, please review your major map accordingly.

Concurrent Degrees

Students who wish to obtain concurrent degrees must submit a standards committee petition to the undergraduate curriculum committee after successfully meeting the following criteria: minimum 3.00 cumulative GPA, successful completion of 12 credit hours in both programs, and successful admission into both intended programs of study. Students must complete a minimum of 30 unique credits between both programs.

Change of Major

Current ASU students who wish to change majors to one of the institute's degrees must have a cumulative ASU GPA of 2.50 or higher. Students wishing to enter a major that requires an audition, interview, milestone or portfolio review may be required to successfully complete this requirement before changing their major.

For more information about critical requirements, please refer to the corresponding major map.

Within The Design School, students who have passed the milestone are placed on college probation when any of the following occurs:

- admitted to the milestone with deficiencies in course requirements
- received an incomplete, failure or withdrawal from any required course
- earned a semester GPA below 3.00
- received a grade of "D" (1.00) or "E" (0.00) in a design studio, a design laboratory or a design lecture
- violated the university's Student Code of Conduct or any admission agreement

Students on college probation must observe rules or limitations that the institute or academic unit places on their probation as a condition of continuation. Students may be removed from a program (but not necessarily from the university) when any of the following occurs:

- the requirements imposed are not met or the probationary semester GPA is below 3.00 after one semester on probation
- failures or withdrawals in required courses are not resolved at the next offering of the course
- failures or withdrawals from required sequential courses
- incompletes in required sequential courses are not completed before the first day of class of the next semester

A student removed from a program is not guaranteed reinstatement to the program even if probation requirements or requirements placed on readmission are fulfilled. Appeals may be made first to the appropriate academic unit and, if necessary, to the Herberger Institute undergraduate curriculum committee. For more information, contact the Herberger Office of Student Success or The Design School.

Reinstatement/Readmission

Undergraduate degree-seeking students who previously attended ASU in the Herberger Institute for Design and the Arts but have not been enrolled at ASU for one or two consecutive fall or spring semesters are eligible to return through quick reentry. Students do not need to submit a new application or application fee, but must contact an academic advisor in their program for registration.

Undergraduates who have been away from the university for three or more semesters and want to return to ASU in a Herberger Institute program are required to apply for readmission through the admission services office.

- Readmission is only considered after a student has remained out of the Herberger Institute for a minimum of two semesters.
- A student is required to supply proof he or she is now capable of successfully completing courses in the discipline by the completion of at least 12 hours of appropriate course work with a GPA of 2.50 or higher.
- If the readmission request requires a change of major, then admission decisions are made by the college that offers the intended major.
- If a student seeks readmission to his or her previous Herberger Institute major and that major requires a creative review, a new review may be required.
- If readmission is approved within the Herberger Institute, the student will return with continued probation status in the appropriate degree program.

Once readmitted, returning students are required to meet with a Herberger advisor before enrolling in courses at ASU.

Other special requirements

Creative Reviews

A creative review (audition, interview, milestone, portfolio submission) is required for entrance into most majors in the Herberger Institute. See <http://herbergerinstitute.asu.edu/admissions/undergrad/applying/major.php> [6] for details.

Graduate policies

Advising is handled as a decentralized activity within the institute. To offer personalized attention, each academic unit establishes its own graduate advising procedures. Students are encouraged to make appointments through the central office of their major discipline. Students should consult their academic unit's website for general information about the programs, admission and advising procedures:

- School of Art: <http://art.asu.edu/> [7]; phone 480-965-6303
- School of Arts, Media and Engineering: <http://ame.asu.edu/> [8]; phone 480-965-9438
- School of Dance: <http://dance.asu.edu/> [9]; phone 480-965-5029
- The Design School: <http://herbergerinstitute.asu.edu/degrees/design.php> [10]; phone 480-965-3536
- School of Music: <http://music.asu.edu/> [11]; phone 480-965-5069
- School of Film, Dance and Theatre: <http://theatreilm.asu.edu/> [12]; phone 480-965-5337

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies including those of Graduate Education and the Herberger Institute for Design and the Arts.

Source URL: https://catalog.asu.edu/policies/design_and_arts

Links:

- [1] <http://provost.asu.edu/academicintegrity/students>
- [2] <http://students.asu.edu/readmission>
- [3] <https://catalog.asu.edu/glossary#reinstatement>
- [4] <http://herbergerinstitute.asu.edu/students/undergrad/advising.php>
- [5] <http://students.asu.edu/forms/incomplete-grade-request>
- [6] <http://herbergerinstitute.asu.edu/admissions/undergrad/applying/major.php>
- [7] <http://art.asu.edu/>
- [8] <http://ame.asu.edu/>
- [9] <http://dance.asu.edu/>
- [10] <http://herbergerinstitute.asu.edu/degrees/design.php>
- [11] <http://music.asu.edu/>
- [12] <http://theatreilm.asu.edu/>

Engineering, Ira A. Fulton Schools of

The Ira A. Fulton Schools of Engineering educate undergraduate and graduate engineering students, giving them the knowledge, skills and attitudes they need for success in technically oriented careers. The schools provide students with a range of educational opportunities by which they may achieve excellence in the major branches of engineering, computer science, informatics and construction management.

The Ira A. Fulton Schools of Engineering take pride in their diversity, their economic and cultural heritages and in the quality of their graduates. The schools strive to be integral to the community they serve and a lifelong presence in the lives of those within their compass. The schools' educational and research programs are built around the following principles: entrepreneurship; use-inspired research and scholarship; a focus on the individual; intellectual fusion of unique and distinct disciplines; social embeddedness in the local, national and international community; and global engagement.

For more information, see <http://engineering.asu.edu> [1].

Ira A. Fulton Schools of Engineering Aspirations

Graduates from any of the schools' programs will be technically sound. In addition to technical competency, the Ira A. Fulton Schools of Engineering aspire to develop leaders who are well-read, well-spoken and knowledgeable about current business practices. To this end, the schools offer enhanced curricula, special courses and extracurricular activities to enrich the student's stay and to offer every student opportunities to achieve the schools' aspirations.

All the programs within the schools are professional programs, and professionalism is an important component of all the curricula. The schools strive to help students understand and value the various aspects of professionalism, including ethical behavior, a desire for lifelong learning, the ability to communicate with others and an awareness of how the profession fits into and impacts society. As a first step in ethics, all students are expected to follow the student code of conduct and rules of academic integrity defined by the university as outlined at <http://provost.asu.edu/academicintegrity> [2].

Undergraduate Policies

Academic Integrity

Students enrolled in the Ira A. Fulton Schools of Engineering are required to maintain high levels of integrity and honesty in their academic progress. The ASU student academic integrity policy is strictly enforced and followed. A student with an alleged violation is required to discuss the violation with the professor. A student charged with a violation of the student academic integrity policy will have the opportunity to appeal the charge and be heard by the Ira A. Fulton Schools of Engineering standards hearing board, which provides recommendations to the dean or the dean's designee. The dean or dean's designee will review the recommendation and render a decision. If the decision is suspension or expulsion, the student may appeal to the Office of the University Provost. Policy information is located at <http://provost.asu.edu/academicintegrity> [2].

The Ira A. Fulton Schools of Engineering have developed and enforce a number of academic standards. These standards are designed to support students and ensure the quality of the schools' graduates.

Academic Standing

Student Responsibilities

Students need to make many decisions as they complete their degrees. While the schools and the university have a number of resources available (e.g., faculty, courses, advisors and tutors) to help with decision-making, students are expected to take responsibility for their decisions.

Ira A. Fulton Schools of Engineering Good Standing

Students are expected to select and successfully complete courses that lead to the timely completion of their degrees. Students are said to be in good standing if they fulfill all of the following:

- maintain acceptable GPAs
- enroll and complete critical tracking requirements
- complete courses each semester that are applicable to their degrees

Ira A. Fulton Schools of Engineering Probation

Some students do not make satisfactory progress, and these students generally need extra attention and resources to help them get back to good standing. Such students are placed on Ira A. Fulton Schools of Engineering academic probation to help ensure they get the necessary help. There are many reasons why students fail to make satisfactory progress. Working with an academic advisor to plan a strategy for success is crucial. Students may be required to reduce their course loads (13 credit hours maximum), retake courses or even take courses outside of their programs, if these measures will help bring them back to academic good standing.

To return to academic good standing in the Ira A. Fulton Schools of Engineering, students with probation status need to earn a minimum semester GPA of 2.25 and earn a minimum cumulative ASU GPA of 2.00 at the end of the probation semester. If enrolled in only one course, a grade of "C+" (2.33) or better and a minimum cumulative ASU GPA of 2.00 is required to obtain academic good standing. Students who meet either the semester GPA requirement or meet the cumulative ASU GPA requirement at the end of their first probationary semester may be continued on probation.

Conditions for Ira A. Fulton Schools of Engineering Probation

A student is placed on college or university probation status when specific academic expectations are not met. Some conditions trigger an automatic placement on probation whereas others trigger an automatic review of the student's case to determine if probation is warranted. When a probation review is triggered, the final decision and any conditions of probation are determined at the program level.

Automatic probation is triggered by any of the following:

- two successive semesters with GPAs less than 2.00
- an ASU cumulative GPA less than 2.00

Automatic review (borderline) is triggered by any one of the following:

- a semester with a GPA less than or equal to 2.00
- a cumulative GPA in the major of less than 2.00

Courses completed during summer sessions are not used to reevaluate a student's probationary status.

Ira A. Fulton Schools of Engineering Ineligibility

Students who are on probation and fail to meet the schools' retention standards become ineligible to continue working toward a degree within the Ira A. Fulton Schools of Engineering.

Ira A. Fulton Schools of Engineering Ineligibility occurs if the probationary student does any of the following:

- does not attain a semester GPA of 2.25 or higher and has a cumulative GPA of at least 2.00 at the end of the probationary semester
- has already been on probation for two consecutive semesters
- fails to complete any courses appropriate for the degree during each semester

Ira A. Fulton Schools of Engineering-ineligible students are subject to the following limitations:

- Students who change colleges may not register for courses in the Ira A. Fulton Schools of Engineering unless the courses are required by their new majors.
- Students who register for courses in the Ira A. Fulton Schools of Engineering may be withdrawn from these courses any time during the semester they are registered.

Ira A. Fulton Schools of Engineering-ineligible students are encouraged to consider these options:

- Students may be eligible to change their majors to other colleges if they are in university academic good standing and have acceptable cumulative GPAs. The acceptable GPA level depends on the number of hours of completed course work. Students should contact their advisor to determine if they are eligible.
- Students may take nonengineering courses during summer sessions.
- Students may request a review of their status by contacting the office of academic and student affairs.

Advising

Successful completion of a program in the Ira A. Fulton Schools of Engineering requires careful planning. While final responsibility for becoming familiar with and understanding academic degree requirements lies with each student, each program employs professional academic advisors who work with students in setting academic and career goals, understanding school and university policies and procedures, meeting degree requirements and becoming familiar with the university's and the school's sources of academic support. Students may also work with faculty advisors familiar with the chosen fields of specialization. Students should consult their advisors prior to registering each semester. A list of program advisors can be viewed at <http://engineering.asu.edu/advising> [3].

Students are encouraged to use the eAdvisor tool for academic planning. This service provides critical requirements and major maps, which are individualized student reports that lay out a specific, clear and accurate path to timely completion of each student's intended degree. Access eAdvisor at <http://eadvisor.asu.edu> [4].

Many students find it necessary to work while attending ASU. The working student should endeavor to create a careful balance of work and class responsibilities to avoid academic problems. Students should inform their academic advisors of any outside work or activity so that course loads may be adjusted accordingly.

Staff in the office of academic and student affairs in the Ira A. Fulton Schools of Engineering are available to assist individual students with many different types of advising issues. They work with students to answer general questions about policies and procedures; help with registration transactions; administer the probation, disqualification and readmission processes; oversee disciplinary actions; hear grade grievances; and assist with other administrative matters.

Mandatory Advising

All first-year students, student athletes and students who are found to be having academic difficulty are required to be advised before they can register for classes, including summer sessions classes. Some programs relax the advising requirement after the first year, so students should consult their academic advisor or review the My Tasks list in My ASU to determine if advising is required.

Credit/Registration

Students are required to register for courses using one of the university-provided processes. As part of the registration process, the school enforces the following registration restrictions:

Maximum Hours

Students enrolled in undergraduate degree programs in the Ira A. Fulton Schools of Engineering may register for a maximum of 19 credit hours per semester. Any student wanting to register for more than the maximum must submit a college standards petition and have an approval on file prior to registering for the overload.

Ira A. Fulton Schools of Engineering Probationary Status

Students who have been placed on Ira A. Fulton Schools of Engineering academic probation must meet with their academic advisors and complete their probation success plans. The success plan is designed to assist students in identifying a path to academic success and can be found at <http://engineering.asu.edu/students/standards> [5]. Students on Ira A. Fulton Schools of Engineering academic probation may enroll in a maximum of 13 credit hours per semester.

Degree Requirements

Undergraduate Nondegree Status

Students who are enrolled in an undergraduate nondegree status in the schools must obtain advising and approval to register from the office of academic and student affairs before registering each semester.

Course Prerequisites

Students should consult the schedule of classes and the catalog for course prerequisites. Students who register for courses without the designated prerequisites may be withdrawn without their consent at any time before the final examination. Such withdrawal may be initiated by the course instructor, the program chair of the program offering the course or the dean of the college. In such cases, students will not receive monetary reimbursement.

Pass/Fail Grades

Students requesting credit for pass/fail courses taken at another institution must file an Ira A. Fulton Schools of Engineering standards petition. Each request is judged on its particular merits.

Non-Ira A. Fulton Schools of Engineering Students

Students who are not admissible to programs in the Ira A. Fulton Schools of Engineering and who enroll in another college at ASU may not register for any 300- or 400-level courses in the schools unless the courses are required in their degree programs and the students have the proper course prerequisites.

First-year Composition Requirement

Completion of the first-year composition requirement is required for graduation. Any student whose written or spoken English in any course is unsatisfactory may be required by the appropriate school director or program chair to take additional course work. Find the first-year composition requirement at http://catalog.asu.edu/ug_grad_req [6].

Change of Major

Students interested in switching majors to one of the programs within the Ira A. Fulton Schools of Engineering must meet the schools' admission requirements for transfer students. Change of major is not guaranteed, and students interested in changing majors are encouraged to make an appointment with an advisor in the program of interest to discuss the probability of success and to develop a plan of action to ensure successful advancement to upper-division courses. For admissions information, visit <http://engineering.asu.edu/undergraduate/adreqs> [7].

Students who were admitted as freshmen into the Ira A. Fulton Schools of Engineering, with the exception of the Polytechnic School, who and have maintained continuous enrollment in any Fulton engineering major may choose to change to any other major within the Ira A. Fulton Schools of Engineering provided they are in good academic standing [8]. Students admitted to the Polytechnic School must meet the transfer admission requirements in order to change to an engineering major outside of the Polytechnic School.

Transfer students who have been admitted to the Ira A. Fulton Schools of Engineering from a non-ASU institution or another college within ASU must meet transfer admission guidelines in order to change to any other major within the Ira A. Fulton Schools of Engineering.

Evaluation of Previous Course Work

Transferring from one institution to another or between programs can result in a net loss in credits that count toward the degree. Thus, it is important for students who contemplate transferring into the Ira A. Fulton Schools of Engineering from other institutions, whether community colleges or four-year institutions, to carefully study the requirements of their degree programs to get a sense of what courses may transfer.

Credit is granted for transferred courses deemed equivalent to corresponding courses in the selected program of study, subject to grade and ASU resident credit requirements. No grades lower than "C" (2.00) are accepted as transfer credit to meet the graduation requirements of the schools. Credits transferred from a community college or two-year institution are applied only as lower-division credits. For a listing of the acceptable courses transferable to the various degree programs, prospective Arizona transfer students should consult their advisors and refer to the ASU transfer tools available at <http://transfer.asu.edu> [9].

It should be noted that some courses taken in other ASU colleges or other universities may be acceptable for general university credit but may not be applicable toward the degree requirements of the schools. Determination of those particular courses applicable to a specific degree program is made within the appropriate academic unit with approval of the dean.

Currency of Course Work

Courses taken more than five years before admission to degree programs in the Ira A. Fulton Schools of Engineering are not normally accepted for transfer credit, at the option of the program in which the applicant wishes to enroll. Courses completed within the five years preceding admission are judged for their applicability to the student's curriculum.

General Education Development

Students admitted to the university after successful completion of the GED examination are directly admitted to the Ira A. Fulton Schools of Engineering (BSE or BS) program within their majors, provided they meet the minimum ACT or SAT score required for freshman admission to the Ira A. Fulton Schools of Engineering.

Graduation Requirements

To qualify for graduation, an Ira A. Fulton Schools of Engineering student must have a minimum cumulative ASU GPA of 2.00 in addition to having a GPA of at least 2.00 for the courses in the major.

University Graduation Requirements

In addition to program and schools' requirements, students must meet all university graduation requirements. A well-planned program of study enables students to meet all requirements in a timely fashion. Students are encouraged to consult with an academic advisor in planning a program to ensure they comply with all necessary requirements. University graduation requirements can be found at http://catalog.asu.edu/ug_grad_req [6].

Reinstatement/Readmission

Readmission

Undergraduate degree-seeking students who previously attended ASU in the Ira A. Fulton Schools of Engineering but have not been enrolled at ASU for one or two consecutive fall or spring semesters are eligible to return through quick reentry. Students do not need to submit a new application or application fee, but must contact an academic advisor in their program for registration.

Undergraduates who have been away from the university for three or more semesters and want to return to ASU in an Ira A. Fulton Schools of Engineering program are required to apply for readmission through the admission services office. Readmission requests are processed as follows:

1. School of Engineering students seeking readmission to the same program they left, and who left ASU with either academic good standing or probation status, are readmitted to the degree program they left with the same academic standing (i.e., good academic standing or probation) they had when they left ASU.
2. Students seeking readmission to an Ira A. Fulton Schools of Engineering program other than the program they left and who have an ASU GPA of 3.00 or higher are readmitted to the degree program with the same academic standing (i.e., good academic standing or probation) they had when they left ASU.
3. Students seeking readmission to an Ira A. Fulton School of Engineering program other than the program they were in when they left ASU with either academic good standing or probation status and who have an ASU GPA less than 3.00 are subject to the admission by change of major process. These requests for readmission are reviewed on an individual basis. If the

request for readmission is approved, the student is readmitted to the new degree program with the same academic standing (i.e., good academic standing or on probation) he or she had when leaving ASU.

4. Students seeking readmission to an Ira A. Fulton Schools of Engineering program and who left ASU with either ineligible or disqualified status are subject to review by the office of Academic and Student Affairs and the program.
 - o Readmission is only considered after a student has remained out of the Ira A. Fulton Schools of Engineering for a minimum of 12 months.
 - o A student is required to supply proof he or she is now capable of successfully completing courses in the discipline by the completion of at least 15 hours of appropriate course work with a GPA of 3.00 or higher and a cumulative (ASU plus transfer) GPA of at least 2.50.
 - o If the readmission request requires a change of major, then the admission by change of major review process must be completed.
 - o If readmission is approved, the student will return with continued probation status in the appropriate degree program.

Once readmitted, returning students are required to meet with a program advisor before enrolling in courses at ASU.

Other Special Requirements

Advancing to Upper-division Courses

The faculty in the Ira A. Fulton Schools of Engineering have identified a set of critical requirements in the first four semesters of each program whereby performance in these critical requirements is a key component in progressing in the chosen major. These critical requirements include a set of courses and performance levels required in those courses and are outlined on the major maps.

Graduate Policies

Policy for Maintaining Satisfactory Academic Progress

A student who has been admitted to a graduate degree program in the Ira A. Fulton Schools of Engineering, with either regular or provisional admission status, must maintain a 3.00 or higher GPA in all of the following:

1. all work taken for graduate credit (courses numbered 500 or higher)
2. course work in the student's approved plan of study
3. all course work taken at ASU (overall GPA) postbaccalaureate

A student will be placed on academic probation if one or more of the student's GPAs listed above falls below 3.00. Students will be notified by mail when placed on academic probation.

A student will earn academic good standing by obtaining a 3.00 or better in the GPAs listed above by the time the next nine hours are completed. Course work such as research and dissertation registration that are for "Z" (in progress) or "Y" (satisfactory) grade cannot be included in these nine hours.

A student may be recommended for dismissal from a graduate program if the student fails to increase all of the GPAs listed above to 3.00 or better by the time he or she completes at least nine credit hours as defined in the previous paragraph.

A student may appeal actions concerning dismissal by petitioning the program in which they are enrolled.

Academic units in the Ira A. Fulton Schools of Engineering can expand this policy statement to include additional policy governing the satisfactory academic progress of the students in their graduate programs.

Additional Graduate Policies

Full details of policies related to graduate students in the Ira A. Fulton Schools of Engineering can be found on each program's Web page. For a list of programs, visit <http://engineering.asu.edu> [10]. University policies related to graduate students can be found at <http://graduate.asu.edu> [11].

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies including those of Graduate Education and the Ira A. Fulton Schools of Engineering.

Source URL: <https://catalog.asu.edu/policies/engineering>

Links:

- [1] <http://fulton.asu.edu/fulton/>
- [2] <http://provost.asu.edu/academicintegrity>
- [3] <http://engineering.asu.edu/advising>
- [4] <http://eadvisor.asu.edu/>
- [5] <http://engineering.asu.edu/students/standards>
- [6] http://catalog.asu.edu/ug_grad_req
- [7] <http://engineering.asu.edu/undergraduate/adreqs>
- [8] https://catalog.asu.edu/retention_standing
- [9] <http://Transfer.asu.edu>
- [10] <http://engineering.asu.edu/>
- [11] <http://graduate.asu.edu/>

Health Solutions, College of

Undergraduate Policies

Academic Integrity

Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The ASU Student Academic Integrity Policy is strictly enforced for students found in violation of this policy. Possible sanctions include, but are not limited to, appropriate grade penalties, loss of registration privileges, disqualification and dismissal. For more information, see <http://provost.asu.edu/academicintegrity> [1].

Academic Standing

To maintain satisfactory academic progress, all students* in the College of Health Solutions must:

1. maintain a minimum 2.00 GPA each semester
2. maintain a minimum 2.00 cumulative GPA

*Speech and Hearing Science majors must maintain a 2.80 GPA in ASU critical tracking courses. For more information on specific admission criteria, please see <https://students.asu.edu/admission> [2].

Probation

Students are placed on probation at the end of fall or spring semester when their GPA is below 2.00.

Continuing Probation

Students are placed on continuing probation when their cumulative GPA is below 2.00 for two consecutive semesters but they have shown academic progress and not earned less than a C in any course the most recent semester.

eAdvisor Tracking

In addition to being in university good academic standing, all students in the College of Health Solutions must adhere to ASU critical tracking course work, per the pertinent major map. For more information on critical tracking courses, please see <https://webapp4.asu.edu/programs/t5/MajorMaps>. [3]

Students are off-track if they fail to meet ASU critical tracking requirements for two consecutive semesters. For more information on critical tracking courses, please see <https://webapp4.asu.edu/programs/t5/MajorMaps> [3]

Students who remain on off-track status for two or more consecutive semesters may be required to change majors.

Disqualification

Students are disqualified from ASU if their cumulative GPA remains below 2.00 for more than two consecutive semesters. Students who are disqualified are not allowed to enroll in the following fall or spring semester. Disqualified students may take courses during the summer to raise their GPA.

Remediation

Students are required to meet with an academic advisor if they are placed on probation, continuing probation, off-track status or are at risk for disqualification, at which point an appropriate remediation plan will be discussed.

Advising

Mission of The Office of Student Services in the College of Health Solutions: We are committed to supporting student success and providing excellent academic advising, ensuring the accuracy of information, connecting students to resources and guiding them toward their ultimate goal of graduation. We aspire to foster personal, social, and academic success to produce well-informed, innovative, and capable professionals.

It is important for students in the College of Health Solutions to cultivate the following skills in their development as a health professional:

1. proactively identify problems and possible solutions
2. accept feedback in a positive manner
3. modify performance in response to feedback
4. communicate with others in a respectful and confident manner
5. assume responsibility for learning

Academic advising is available to facilitate student success in these and other domains. Advisors are available to meet with students in each of the undergraduate programs in person, by email, by phone or via Skype.

Academic advising is required for the following students:

1. All freshman and new transfer students are required to meet with an academic advisor before course registration.
2. Students not in satisfactory academic standing (i.e., probation, continuing probation, off-track status, disqualification, etc.) are required to meet with an academic advisor to discuss a remediation plan.

Faculty and staff utilize Academic Status Reports (ASRs) to provide student feedback over the course of the academic semester and year. The ASRs may be used to identify students who are struggling academically or professionally or to recognize students who are exceeding in course work. Academic advisors and faculty mentors may access ASRs to provide students with valuable insight into performance improvement. <https://students.asu.edu/asrr> [4]

In order to be successful in the College of Health Solutions, students are strongly encouraged to be proficient in basic concepts in writing, math and science. Students are encouraged to use the following resources:

1. Academic Advising: <http://healthpromotion.asu.edu/programs/advising.htm> [5] or <http://shs.asu.edu/ug-advis> [6]
2. Student Success Center: <https://studentsuccess.asu.edu> [7]
3. Math Tutoring Center: <https://studentsuccess.asu.edu/> [8]
4. Writing Center: <https://studentsuccess.asu.edu/writingcenters> [9]
5. Peer Coaching: <https://students.asu.edu/fys> [10]
6. Career Services: <https://students.asu.edu/career> [11]

Credit/Registration

Students are allowed to register for a maximum of 18 credits per semester. Students may petition the College of Health Solutions Standards Committee through the Academic Advising Office to register for more than the maximum allowable. For more information, please see https://catalog.asu.edu/course_load [12].

Transfer credits from other institutions may be accepted and applied based on the student's major. The College of Health Solutions recommends that students work closely with their academic advisor to determine the process for applying pertinent transfer credit hours to their program of study. For more information on the transfer process, please see <https://transfer.asu.edu> [13].

Degree Requirements

Students who are interested in pursuing concurrent degrees may petition the College of Health Solutions Standards Committee through the Academic Advising Office.

The College of Health Solutions strongly recommends that students interested in applying for a concurrent degree meet the following criteria:

1. minimum 3.00 GPA
2. minimum of 12 hours of course work completed in the first major
3. minimum of nine hours of course work completed in the second major

Once accepted as a concurrent degree student in the College of Health Solutions, students are required to meet the following criteria:

1. a maximum of 15 hours of shared course work between majors (i.e., course work that overlaps between majors)
2. a minimum of 30 hours of unique course work between majors (i.e., course work must be distinct in each major)

For more information on degree requirements, please see <http://www.asu.edu/programs/> [14]

Reinstatement/Readmission

Disqualified or ineligible students who have missed a fall or spring semester must follow ASU procedures for readmission. Students are also required to meet with a College of Health Solutions academic advisor prior to course enrollment. Exceptions may apply, including students on leaves of absence and students who serve in the military. For more information, please see <http://students.asu.edu/readmission> [15].

Other Special Requirements

Clinical requirements

Some degree programs offered in the College of Health Solutions require clinical training in hospital or ambulatory care settings. These clinical sites may require criminal background checks (CBC), proof of medical insurance and/or immunizations.

Special considerations

Medical / compassionate withdrawals

Students must meet specific criteria for medical leave of absence, leave of absence or compassionate withdrawal. Students who are eligible, or who have questions about eligibility, must work closely with the Academic Advising Office to complete the necessary procedures.

For more information, please see https://students.asu.edu/files/LeaveOfAbsence111010cb_0.pdf [16] or <https://students.asu.edu/forms/medical-compassionate-withdrawal-request> [17]

Incomplete grades

Students must meet specific criteria to be eligible for a grade of incomplete. If qualified, students have one calendar year to complete course requirements. If requirements are not met per the standards agreed upon with the course instructor after one calendar year, the incomplete grade adjusts to a course failure. For more information, please see <https://students.asu.edu/files/Incomplete%20Grade%20Request.pdf> [18]

Military

Students with military or veteran status, please see <https://students.asu.edu/military> [19]

Americans with Disabilities Act (ADA)

The College of Health Solutions is compliant with, and supportive of, the Americans with Disabilities Act. Reasonable accommodations will be made for qualified students. Reasonable accommodation is defined as the provision of an auxiliary aid, or modification to the course or program which will allow access to the job duties, the educational process, program and degree, or activity. Students are encouraged to visit the Disability Resource Center. For more information, please see <http://www.asu.edu/studentaffairs/ed/drc/> [20]

The Americans with Disabilities Act (ADA) 1990 provides comprehensive Civil Rights protection and is designed to remove barriers which prevent persons with disabilities from accessing the same educational and employment opportunities as persons without disabilities. The law also provides access to public accommodations, state and local government services, transportation, and telecommunications. The Americans with Disabilities Act also prohibits discrimination against a qualified individual with a disability with regard to admission to educational institutions or vocational training programs (public or private); employee compensation; job training; and other terms, conditions and privileges of employment.

Graduate Policies

Academic integrity

Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The ASU Student Academic Integrity Policy is strictly enforced for students found in violation of this policy. Possible sanctions include, but are not limited to, appropriate grade penalties, loss of registration privileges, disqualification and dismissal. For more information, refer to the specific graduate program manual, and please see <http://graduate.asu.edu/beintheknow> [21].

Academic Standing

Each graduate program in the College of Health Solutions adheres to specific academic requirements. Students are strongly encouraged to become familiar with the expectations listed in their respective graduate program manual.

Academic Advising

It is important for graduate students in the College of Health Solutions to cultivate the following skills in their development as a health professional:

1. proactively identify problems and possible solutions
2. accept feedback in a positive manner
3. modify performance in response to feedback
4. communicate with others in a respectful and confident manner
5. assume responsibility for learning

Academic advising is available to facilitate student success in these and other domains. Advisors are available to meet with students in each of the graduate programs (i.e. the School of Nutrition and Health Promotion, the Department of Speech and Hearing Science, the School for the Science of Health Care Delivery, the Doctor of Behavioral Health Program and others).

Faculty advisors meet with students in the academic area of concentration.

Special considerations

Medical / compassionate withdrawals

Students must meet specific criteria for medical leave of absence, leave of absence or compassionate withdrawal. Students who are eligible, or who have questions about eligibility, must work closely with the Academic Advising Office to complete the necessary procedures.

For more information, please see https://students.asu.edu/files/LeaveOfAbsence111010cb_0.pdf [16] or <https://students.asu.edu/forms/medical-compassionate-withdrawal-request> [17]

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Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies including those of Graduate Education and the College of Health Solutions.

Source URL: <https://catalog.asu.edu/policies/chs>

Links:

- [1] <http://provost.asu.edu/academicintegrity>
- [2] <https://students.asu.edu/admission>
- [3] <https://webapp4.asu.edu/programs/t5/MajorMaps>
- [4] <https://students.asu.edu/asrr>
- [5] <http://healthpromotion.asu.edu/programs/advising.htm>
- [6] <http://shs.asu.edu/ug-advis>
- [7] <https://studentsuccess.asu.edu>
- [8] <https://studentsuccess.asu.edu/>
- [9] <https://studentsuccess.asu.edu/writingcenters>
- [10] <https://students.asu.edu/fys>
- [11] <https://students.asu.edu/career>
- [12] https://catalog.asu.edu/course_load
- [13] <https://transfer.asu.edu>
- [14] <http://www.asu.edu/programs/>
- [15] <http://students.asu.edu/readmission>
- [16] https://students.asu.edu/files/LeaveOfAbsence111010cb_0.pdf
- [17] <https://students.asu.edu/forms/medical-compassionate-withdrawal-request>
- [18] <https://students.asu.edu/files/Incomplete%20Grade%20Request.pdf>
- [19] <https://students.asu.edu/military>
- [20] <http://www.asu.edu/studentaffairs/ed/drc/>
- [21] <http://graduate.asu.edu/beintheknow>

Honors - Barrett, the Honors College

Students who have demonstrated high levels of academic achievement in high school or college may apply for admission to Barrett. Each candidate must file an application to the college separate from the ASU application, in accordance with the appropriate Barrett deadlines.

Applicants are evaluated on the basis of their academic records, high school class ranks and performances on the SAT or ACT. The college also values students who have special talents and aptitudes, exhibit exceptional leadership qualities, have had unusual life experiences and display significant community involvement. High school GPAs used in the evaluation process are calculated in accordance with the Arizona Board of Regents competency requirements, pursuant to ABOR Policy 2-102.

The Barrett admissions application and additional information about the college and its activities are available at <http://barretthonors.asu.edu> [1].

Undergraduate Policies

Advising

Barrett students have advisors in their major, an assigned Barrett honors advisor and faculty honors advisors in departments throughout the university. Students are encouraged to stay in regular contact with all these resources and are required to complete mandatory advising sessions with their Barrett honors advisor during semesters one, three and six. To schedule an appointment with a Barrett honors advisor, call 480-965-9155 (Tempe campus), 602-496-1757 (Downtown Phoenix campus), 480-727-5539 (Polytechnic campus) or 602-543-3410 (West campus).

Students can review honors opportunities in majors at <http://barretthonors.asu.edu> [2]. There are also special prelaw and prehealth advising opportunities for Barrett students. Contact the Barrett advising office for more information.

Degree Requirements

Barrett Academic Course Requirements

Honors students must maintain high standards of academic performance and show progress toward completion of graduation requirements in their disciplinary majors and in Barrett. In order to graduate from Barrett, students must complete the following, which includes 36 credit hours of honors course work:

1. HON 171 and HON 272 The Human Event must be completed in sequence during a student's first two semesters in the college.
2. Thirty additional credit hours of honors course work must be earned with a letter grade of "C" (2.00) or higher. This may include HON prefix classes, honors sections of classes, honors enrichment contracts or any automatic honors course such as ENG 105 (in-person sections), CEE 486, PHY 333 or any graduate-level (in-person) course.
3. Included in the 36 credit hours of honors course work are at least 18 hours of upper-division or graduate-level honors credits for an earned letter grade of "C" (2.00) or higher, including six credit hours of honors course work outside the academic major. Students should investigate specialized honors, upper-division tracks within their majors.
4. Those admitted as upper-division transfer students (defined as students with 48 post-high school university credits completed by the time of planned enrollment in Barrett) must complete a three-credit, 300-level HON special topics course in addition to the 18 required hours of upper-division honors course work. Six of the 21 honors credits must be outside the academic major. A total of 21 hours of upper-division honors course work are required for these upper-division transfers, because they do not have time to complete all 36 honors hours.
5. Students are required to complete an honors thesis or creative project for at least three credit hours, though students are encouraged to complete six credit hours of thesis or creative project work. The thesis credit hours may be included in the 18 required hours of upper-division honors course work. The honors thesis or creative project is launched with a prospectus that is due one academic year before the defense. Prior to enrolling in credit for thesis or creative project work, students must complete a required preparatory workshop or course. The final copy of the honors thesis or creative project must be filed by the posted deadline during the student's graduation semester.
6. ASU graduation requirements in an academic major must be met.
7. The student must maintain a cumulative ASU GPA of 3.25 or higher.

Barrett course requirements may be met in a variety of ways. There are two specific required courses for first-year students. Only courses in which a student receives a grade of "C" (2.00) or higher may be used to meet Barrett requirements.

Those entering the college as lower-division students may take as many as 18 lower-division honors credits, which include HON 171 and 272 The Human Event, and at least 18 upper-division credits (total honors credits must be 36). HON 171 and 272 are cross-disciplinary seminars that acquaint students with ideas that form the foundation of a university education and emphasize critical thinking, discussion and writing.

Those who enter as upper-division students must take 21 upper-division honors credits, including a required three-credit, 300-level HON honors course taught by an Honors faculty fellow. Junior-level seminar courses introduce students to critical thinking, discussion and writing in a topical area chosen by the instructor. All students are expected to complete this course during the first semester upon transferring.

Departmental honors-only courses are limited to honors students and others who receive special permission from the instructor to enroll. Enrollment in these courses is limited. Compared to their nonhonors equivalents, these courses are designed to offer richer, more complex intellectual experiences appropriate to the discipline and the level of the course for all students enrolled. Other disciplinary honors courses group honors students in small cohorts to work on research projects of common interest.

Honors enrichment contracts are available in many departmental courses, allowing honors students to contract with the instructor of designated non-honors courses to earn honors credit by pursuing enrichment activities, which include supplemental sessions with the instructor. Honors enrichment contracts must be filed during the first four weeks of class and completed during the semester in which the course is offered. The enrichment contract form offers guidelines to aid students and faculty in developing appropriate contracts.

Course numbers listed in the ASU schedule of classes as 298/492 Honors Directed Study, 493 Honors Thesis, 497 Honors Colloquium, all classes with the HON prefix and those with departmental prefix that carry the honors designation as a notation are reserved for students in Barrett and always count for honors credit. Students may receive credit for more than one of each of these courses in a given department.

The departmental courses with the number 493 are reserved for honors students completing their honors thesis or creative project. A student may enroll for this course only with the approval of the sponsoring academic department and of the faculty member who serves as the student's thesis or creative project director. Course numbers listed in the ASU schedule of classes as 493 fulfill the student's upper-division literacy and critical inquiry (L) General Studies requirement.

There are certain courses that carry automatic honors credit. These include ENG 105 (any in-person section), CEE 486, and PHY 333. Graduate-level courses taught in an in-person format automatically earn honors credit.

Source URL: <https://catalog.asu.edu/policies/barrett>

Links:

[1] <http://barretthonors.asu.edu>

[2] <http://barretthonors.asu.edu/>

Journalism and Mass Communication, Walter Cronkite School of

The Walter Cronkite School of Journalism and Mass Communication has a student-centered culture focused on helping students complete their degrees in a timely manner. The school encourages students to visit the school's website <http://cronkite.asu.edu> [1] or contact its student services center at 602-496-5055 with questions about any of the school's policies.

Undergraduate Policies

Academic Integrity

The Cronkite School has a zero tolerance policy toward academic dishonesty that is enforced within every course and educational activity offered or sanctioned by the school. Any allegation of academic dishonesty will be referred to the school's standards committee for review and recommendation to the dean of the school. If any student is found to have engaged in academic dishonesty in any form – including but not limited to cheating, plagiarizing and fabricating – that student shall receive a grade of XE for the class and will be dismissed from the school. There will be no exceptions.

At the beginning of every Cronkite class, each student will be given a copy of the full academic integrity policy, along with accompanying information on plagiarism. Students must sign a pledge that indicates they have read and understood the material and agree to abide by the policy.

The policy, along with guidance on how to avoid plagiarism and fabrication, can be found at http://cronkite.asu.edu/assets/pdf/Academic_Integrity_Policy.pdf [2]

Accuracy: Since accuracy is the most important aspect of journalism, the Cronkite School adheres to rigid standards. Any major error of fact – a misspelled proper name, an erroneous phone number, an incorrect address, a libelous statement or a misstatement of a major fact – in other words, anything that would require a printed correction if the story were to appear in a newspaper – will result in an E (55 percent) on an assignment. Misspellings or errors of grammar will bring a student's grade down. If you are careless, you will lose points fast.

Attendance and Make-up Work: Students are expected to be in every class and to arrive on time. There are no excused absences or lateness. Make-up work will be not be given; if a student misses an in-class assignment, quiz or test, the student will receive a zero.

Deadlines: Like accuracy, the ability to meet deadlines is a hallmark of good journalism and students are expected to meet them. Assignments submitted even one minute past the deadline will not be accepted; they will receive a zero.

Diversity Principles: The Cronkite School practices inclusivity in student, staff and faculty populations in order to create an academic environment that embraces diversity of thought and acceptance of all people regardless of race, gender, age, sexual orientation or societal, political, cultural, economic, spiritual or physical differences <http://cronkite.asu.edu/about/diversity.php> [3]

ACEJMC Values and Competencies: As a member of the Accrediting Council on Education in Journalism and Mass Communication, the Cronkite School is committed to classroom learning that achieves ACEJMC professional values and competencies. These include the core areas of freedom of speech, ethics, diversity, critical thinking, research, writing and use of tools and technologies related to the field. For a full list of ACEJMC values and competencies, see <http://www2.ku.edu/~acejmc/PROGRAM/PRINCIPLES.SHTML#vals&comps> [4].

Social Media Guidelines: It's important that students of journalism and communication know how to use social media ethically and professionally. The Cronkite School has developed standards drawn from the Poynter Institute for Media Studies and the Society of Professional Journalists. Those guidelines can be found at <http://cronkite.asu.edu/node/735> [5].

Academic Standing

Probation

All ASU students, freshman through senior, must maintain a minimum 2.00 GPA for all courses completed at ASU. If this standard is not maintained, the student is placed on probation. Students on probation must see an advisor before further registration and must do one of the following:

1. Raise the ASU cumulative GPA to 2.00 or higher in order to return to academic good standing.
2. Obtain a semester GPA of 2.50 with no grade lower than a "C" in order to be granted one additional semester on continued probation. At the end of the continued probation, the student must return to academic good standing (a minimum cumulative ASU GPA of 2.00) to avoid disqualification.

Disqualification

Students who do not meet probation requirements are academically disqualified. Disqualified students should meet with their academic advisors. These students may attend ASU during the summer session immediately following disqualification only.

Cronkite School Journalism & Mass Communication Majors – Students in this major must maintain a minimum 2.5 GPA for all courses completed at ASU in order to be in good standing in the major. If a student's GPA falls below a 2.50 cumulative GPA they will have one semester to raise their cumulative GPA to meet the requirement. Failing to raise the cumulative GPA to a 2.50 or higher will result in the student having to change her major from Journalism and Mass Communication.

Cronkite School Mass Communication and Media Studies Majors - Students in this major follow the University policies for GPA requirements, probation and disqualification.

Advising

Cronkite School undergraduate students are assigned an advisor by the student's last name. See the Undergraduate Advising page for specifics: <http://cronkite.asu.edu/undergrad/advising.php> [6]

To ensure students are making progress toward their degrees, the Cronkite School encourages students to check in with their advisors each semester. Advising is mandatory for:

- first-time freshmen, both semesters their first year at ASU
- transfer students prior to enrolling for their first semester at ASU
- students on probation
- students who are off-track in the major

ASU Online students are strongly encouraged to make an appointment with their respective advisors before enrolling for their first semester.

For additional information, contact the Cronkite School's Advising Center at 602-496-5055.

Students should follow the sequence of courses outlined on major maps and online degree audits and contact their Cronkite advisor with any questions. Critical requirements for freshmen in the school are available at <http://cronkite.asu.edu> [1].

Credit/Registration

Changes of Major – students are eligible to change their major if they meet the criteria below:

Journalism and Mass Communication degree program: Current ASU students who have at least 12 hours of credit earned at ASU and at least a 3.00 cumulative GPA are eligible for admission.

Transfer students with at least 12 hours of academic credit earned after high school and at least a 3.00 cumulative GPA are eligible for admission.

Online Mass Communication and Media Studies degree program: Current ASU students who have at least 2.00 cumulative GPA are eligible for admission. Prospective transfer students (not yet admitted to ASU) and ASU students who have a cumulative GPA below 3.00 are encouraged to meet with a Cronkite School advisor. To schedule a meeting, contact the Advising Center at 602-496-5055.

Transfer Credit

Credit from other institutions is accepted subject to the following guidelines: Students may apply up to 64 credits of course work from an accredited two-year institution to their degree. Students may apply up to nine credit hours of approved upper-division journalism course work from a four-year ACEJMC accredited institution to the Cronkite School's journalism degree requirements. Students interested in having these courses reviewed should provide detailed syllabi and course schedules to the Cronkite School's academic standards committee. Students should see their academic advisors for help.

Degree requirements

All Cronkite students must meet the critical requirements for their majors. Students who are required to follow eAdvisor Tracking requirements and do not comply with the critical requirements are off-track and will have a hold placed on their records. These students must meet with an advisor to have the hold removed.

Specific requirements for the Journalism and Mass Communication degree can be found at: <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSJMCBA/undergrad/false>. [7].

Specific requirements for the Mass Communication and Media Studies degree can be found at: <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSMCMSTBA/undergrad/false> [8].

Reinstatement/Readmission

Students seeking readmission after being discontinued from the university should contact undergraduate admission services at <https://students.asu.edu/contact/admissions> [9].

Other special requirements

Major proficiency requirements – all Cronkite students must receive at least a “C” (2.00) or in all JMC and MCO courses. Journalism and Mass Communication majors must also receive a grade of Y (80 percent or better) in JMC 101 Grammar for Journalists, or pass the Cronkite School’s English Grammar Exam.

Graduate Policies

The Walter Cronkite School of Journalism and Mass Communication is a nationally recognized professional program that prepares students for careers as reporters, editors, producers, correspondents, anchors and multimedia journalists. Our students go on to online media outlets, television stations, newspapers, magazines, radio stations, websites and digital media companies.

The school consistently ranks in the top 10 in the annual Hearst intercollegiate journalism competition, often called the Pulitzers of college journalism. And the school’s students have finished first in the Society of Professional Journalists’ Mark of Excellence Awards for a record sixth consecutive year. The faculty consists of award-winning professional journalists and world-class media scholars. The school is housed on ASU’s Downtown Phoenix campus, in the middle of one of the nation’s largest media markets.

More information on the school’s academic standards, policies, and procedures and those of ASU Graduate Education can be found at http://graduate.asu.edu/faculty_staff/policies [10].

Academic Integrity

Academic dishonesty in any form will not be tolerated in the Walter Cronkite School of Journalism and Mass Communication.

The crux of our democracy is the ability of citizens to obtain honest, truthful and balanced information, and the credibility and integrity of the individual journalist and communications professional are crucial in that effort.

In light of the Cronkite School’s mission to prepare students to become journalists and communication professionals, it is critical that credibility and integrity are fostered within the educational environment of the school. To that end, a zero tolerance policy toward academic dishonesty will be enforced within every course and educational activity offered or sanctioned by the school.

Any allegations of academic dishonesty will automatically be referred to the standards committee of the school for review and recommendation to the dean of the school. **If any student is found by the committee to have engaged in academic dishonesty in any form — including but not limited to cheating, plagiarizing (<http://cronkite.asu.edu/about/plagiarism.php> [11]) and fabricating — that student shall receive a grade of XE for the class and will be dismissed from the Walter Cronkite School of Journalism and Mass Communication. There will be no exceptions.**

The Cronkite School will notify Graduate Education if a graduate student is being dismissed from the school for having engaged in academic dishonesty.

Admission

Candidates for the master of mass communication degree apply online at <https://students.asu.edu/graduate> [12]. Admission is for the fall semester and candidates must meet Graduate Education's admission requirements before the Cronkite School can review the application. Applicants must submit official transcripts in sealed envelopes directly to the Graduate Education office. Applicants who are not native English speakers must also submit the results of the TOEFL. The Cronkite School's application deadline is Feb. 1 of each year.

Plan of Study

After completing 18 of the 36 credit hours of course work required for the master of mass communication degree, students must file an official Plan of Study with the Walter Cronkite School of Journalism and Mass Communication. The Plan of Study is available online via the MyASU link on <http://www.asu.edu/> [13].

The student selects the ASU courses that have been taken, those in progress and those the student plans to take in future semesters. Once the Plan of Study is completed, it is electronically forwarded to the Cronkite School's graduate office. It must be approved by the members of the Cronkite School's graduate committee and dean. The completed Plan of Study is sent to the Graduate Education and then to the Graduation Office. The approved Plan of Study is a contract between the student and the school verifying the classes the student intends to take during his or her course of study. Students who have not filed an approved Plan of Study are not eligible for graduation. Changes in the Plan of Study may be made by using the Course Changes to the Graduate Plan of Study available online at MyASU (<http://www.asu.edu/> [13]).

Students who need to file a Plan of Study will be notified by the Graduate Education via email. If the student fails to file the Plan of Study within the specified time period, a hold will be placed on the student's ASU record. The hold will prevent the student from registering for classes. Once the student has filed the Plan of Study and it has been approved, the hold will be removed. The Graduate Education monitors students' POS status and places or removes the holds.

Satisfactory Academic Progress

All graduate students are expected to make systematic progress toward completion of their degree. This progress includes satisfying the conditions listed below, and achieving the benchmarks and requirements set by the individual degree programs. Each degree program should have in place policies for satisfactory academic progress. Students are responsible for verifying additional satisfactory progress policies as required by their degree program. If a student fails to satisfy the requirements of their degree program and the benchmarks outlined below, the student may be dismissed from their program based on the academic unit's recommendation to Graduate Education. The vice provost for Graduate Education makes the final determination.

1. Maintain a minimum of 3.00 GPA on both the iPOS and Graduate GPAs. If either GPA falls below 3.00, the student must develop, with their advisor, an academic performance improvement plan that includes the conditions and timeframes for making satisfactory academic progress in their degree program.
 - o The iPOS GPA is calculated from all courses that appear on the student's approved iPOS.
 - o The graduate GPA is calculated from all courses numbered 500 or higher that appear on the transcript, with the exception of courses counted toward an undergraduate degree at ASU (unless shared with a master's degree in an approved bachelor's and master's degree program); and courses identified as deficiencies in the original letter of admission. The student is considered to be on academic probation until the conditions specified in the academic performance improvement plan are met and both GPAs are above 3.00
2. Satisfy all requirements of the graduate degree program.
3. Satisfy the maximum time limit for graduation from the student's graduate degree program (six years for master's, ten years for doctoral).
4. Doctoral students must comply with the five year time limit for graduation after passing the comprehensive exams.
5. Successfully pass comprehensive exams, qualifying exams, foreign language exams, and the oral defense of the proposal or prospectus for the thesis or dissertation.
6. Successfully complete the culminating experience and, if required, the oral defense of the culminating experience.
7. Graduate students must stay continuously enrolled in their degree program. Failing to do so without a Graduate Education approved Request to Maintain Continuous Enrollment is considered to be lack of academic progress and may lead to automatic dismissal of the student from the degree program. Persistent "W" and "I" grades during multiple semesters on a plan of study or transcript may reflect lack of academic progress.

In addition to the Graduate Education satisfactory academic progress policies, the Walter Cronkite School of Journalism and Mass Communication has adopted the following:

1. If a student's GPA falls below 3.00, the student will be notified in writing and placed on probation. If the student's GPA is not raised to at least a 3.00 by the end of the next semester (excluding summer), a recommendation will be made to Graduate Education to remove the student from the Master of Mass Communication program.
2. If a student earns less than a "C" in MCO 502 Journalism Skills (Bootcamp), the Cronkite School will recommend to Graduate Education that the student be removed from the program immediately.
3. To receive their degrees, Master of Mass Communication students also are required to earn at least a "B" in MCO 570 Capstone.

Appeals

Students who want to appeal a course grade must first discuss the issue with the instructor. If the issue is not resolved, the student may appeal the decision to the school's standards committee. The standards committee will review the issue and make a recommendation to the dean. The dean's decision is final. Students should be aware the standards committee may recommend a grade lower than the one awarded by the course instructor.

If a student fails to make satisfactory academic progress and a recommendation is made to Graduate Education to remove the student from the Master of Mass Communication program, the student will have ten business days to file a written appeal with the dean. The dean's decision regarding appeals is final.

Transfer Credit

Students admitted to the 30-credit hour mid-career MMC program may transfer up to six credit hours of approved course work taken before beginning the program; the six credit hours may include nondegree course work. Only courses with a grade of "A" or "B" and taken within three years of admission to an ASU graduate program may be accepted as transfer credit.

In order to have graduate course work that was completed at other accredited institutions included on a Plan of Study, a student must petition the Cronkite School's graduate committee. The student also must complete the petition section of the Plan of Study.

Students who are in the 36-credit hour professional master's program are not permitted to transfer course work from another institution or from another ASU program.

Time Limitations

Students have six years from the start of their program to complete their degrees.

400-Level Courses Taken for Graduate Credit

The Walter Cronkite School of Journalism and Mass Communication may allow graduate students to enroll in and use up to two three-credit 400-level courses on their Plans of Study (a total of six credit hours). Students must receive permission from the senior associate dean prior to enrolling in any 400-level course they intend to include on their Plans of Study. Students taking these courses are responsible for obtaining and completing the 400-Level Course Contract form. This form specifies what the student must do to receive graduate credit for the course. It must be signed by the professor.

Preadmission Credit

Credit earned in graduate-level courses (per Graduate Education policy) by undergraduate students may count toward their graduate degrees at ASU provided the credit hours have not been used toward a previously awarded degree. Before awarding a bachelor's degree, ASU undergraduate students should contact their undergraduate adviser to set aside graduate courses for use toward a graduate degree.

Reserving a course does not guarantee the student will be admitted to a graduate degree program or that the course will be used to meet graduate degree requirements. A maximum of nine semester hours of credit may be reserved and only courses with a grade of

“B” (3.00) or better are applicable. Reserved credit is classified as nondegree credit and must be taken within the six-year time limit to be included on a Plan of Study.

Grades of Incomplete

The Graduate Education requires students who receive an incomplete in graduate course work (500-level or above) to complete the necessary work within one calendar year. If the incomplete is not removed within one calendar year, it will become part of the student’s permanent transcript and cannot be used on a student’s Plan of Study. To receive credit for the course, the student must repeat the course by reregistering, paying fees and fulfilling all course requirements.

MMC students with more than one incomplete at any time will be considered failing to make adequate progress, and they will be notified and placed on probation. If the student does not complete the work to remove the incomplete and earn a letter grade by the end of the calendar year, a recommendation may be made to Graduate Education to remove the student from the Master of Mass Communication program.

With 400-level courses taken for graduate credit, students are required to complete the necessary work to remove an incomplete grade within one calendar year. If the incomplete grade is not removed within one calendar year, the “I” will become an “E.” An “E” cannot be used to meet the requirements for a graduate degree, but it is used to calculate the student’s GPA. Students may retake the class to earn a higher grade; however, both the “E” and the new grade will be used in calculating the student’s GPA. If this results in the GPA falling below 3.00, a recommendation to withdraw the student from the MMC program will be made to Graduate Education.

Applied Project

Students enrolled in the 30-credit hour mid-career program have the option of completing an applied project and are eligible to enroll in MCO 593, Applied Project, when they have no more than six credit hours of course work remaining on their Plan of Study. Students interested in completing an applied project are encouraged to meet with the senior associate dean no later than the end of their first year in the program.

For more information on the applied project see the Applied Project Procedures handout available in the Cronkite School’s Graduate Office.

Financial Aid

Many graduate students receive financial aid from ASU to assist in financing their education. More information can be found at <http://graduate.asu.edu/financing> [14].

ACEJMC Values and Competencies

As a member of the Accrediting Council on Education in Journalism and Mass Communication, the Cronkite School is committed to classroom learning that achieves ACEJMC professional values and competencies. These include the core areas of freedom of speech, ethics, diversity, critical thinking, research, writing and use of tools and technologies related to the field. For a full list of ACEJMC values and competencies, see <http://www2.ku.edu/~acejmc/PROGRAM/PRINCIPLES.SHTML#vals&comps> [4].

Diversity Principles

The Walter Cronkite School of Journalism and Mass Communication practices inclusivity in student, staff and faculty populations in order to create an academic environment that embraces diversity of thought and acceptance of all people regardless of societal, political, cultural, economic, spiritual or physical difference, age or sexual orientation.

To this end, the school directs efforts to the following four principles:

1. Actively seek out and encourage diverse populations to become productive members of the faculty, staff and the student body.
2. Create and maintain a work, learning and social environment that is cognizant and supportive of a diversity of human differences and beliefs.

3. Incorporate within the formal content of the curriculum and in each course an affirmation of the core journalistic values of accuracy, fairness, ethical behavior and sensitivity when reflecting an increasingly multicultural world.
4. Foster and support a climate in which events and activities of the school reflect diversity of awareness, sensitivity to and support for people of different origins, orientations and abilities.

Social Media Guidelines for Student Journalists

The Cronkite School encourages participants in its professional programs to make use of social networking sites such as Facebook and Twitter, which are valuable reporting tools and promotional and distribution channels for our content. To ensure the highest journalistic standards in these programs, participants must abide by the following standards for social media use drawn from The Poynter Institute for Media Studies and the Society of Professional Journalists' Code of Ethics.

Source URL: <https://catalog.asu.edu/policies/journalism>

Links:

- [1] <http://cronkite.asu.edu>
- [2] http://cronkite.asu.edu/assets/pdf/Academic_Integrity_Policy.pdf
- [3] <http://cronkite.asu.edu/about/diversity.php>
- [4] <http://www2.ku.edu/~acejmc/PROGRAM/PRINCIPLES.SHTML#vals&comp>
- [5] <http://cronkite.asu.edu/node/735>
- [6] <http://cronkite.asu.edu/undergrad/advising.php>
- [7] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSJMCBA/undergrad/false>
- [8] <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/CSMCMSTBA/undergrad/false>
- [9] <https://students.asu.edu/contact/admissions>
- [10] http://graduate.asu.edu/faculty_staff/policies
- [11] <http://cronkite.asu.edu/about/plagiarism.php>
- [12] <https://students.asu.edu/graduate>
- [13] <http://www.asu.edu/>
- [14] <http://graduate.asu.edu/financing>

Law, Sandra Day O'Connor College of

Graduate Policies

Academic Integrity

Honor Code

The legal profession, a self-regulating association, depends on the integrity, honor and personal morality of each member. Similarly, the integrity and value of a Sandra Day O'Connor College of Law degree depends on a reputation for fair competition. The college's honor code is intended as a measure to preserve the integrity of the school's diploma and to create an arena in which students can compete fairly and confidently. Copies of the honor code are available from the college's student services office.

Academic Standing

Retention Standards

The College of Law requires a minimum grade point average of 73.00 or 2.00 to continue enrollment. If a student's grade point average falls below this number, he or she may be disqualified in accordance with College of Law policies.

The College of Law statement of student policies contains additional retention and academic policies. The statement of student policies can be found at <http://law.asu.edu> [1].

Advising

Academic assistance for currently enrolled law students is available through the office of the assistant dean for academic affairs.

Admission Process

The Sandra Day O'Connor College of Law enrolls only one first-year, JD class per year, and it enters in the fall semester. The program is a three-year program, and almost all students study on a full-time basis. The college does offer a flexible scheduling option for students with circumstances that make full-time enrollment impossible. The following steps must be completed for an applicant to be considered for admission to the JD program:

1. Demonstrate an earned undergraduate degree from an accredited four-year college or university by the time of enrollment in the JD program.
2. Take the LSAT and provide a reportable score from that test.
3. Submit a completed application with application fee.
4. Submit transcripts and letters of recommendation through the Law School Admissions Council's Credential Assembly Service, which will be provided to the College of Law by LSAC with the applicant's LSAT record. Applicants must apply electronically through www.lsac.org [2].

The undergraduate record and LSAT score are only two of many factors considered for admission.

More details about the application process can be found at <http://www.law.asu.edu/admissions> [3]. For an application to be considered timely, it must be postmarked or electronically submitted by Feb. 1. For earlier consideration, the early decision deadline is Nov. 15.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies including those of Graduate Education and the Sandra Day O'Connor College of Law.

Source URL: <https://catalog.asu.edu/policies/law>

Links:

[1] <http://law.asu.edu/>

[2] <http://www.lsac.org/>

[3] <http://www.law.asu.edu/admissions>

Letters and Sciences, School of

The School of Letters and Sciences provides students across ASU with the knowledge and skills to comprehend and effectively engage the changing world of the 21st century at local, national and global levels. The school offers graduate and undergraduate degree programs that prepare students for a rapidly changing marketplace, as well as foundational instruction in humanities, social sciences, mathematics, sciences and professional fields. The school also offers ASU students with fewer than 45 college credit hours the opportunity to explore all ASU degrees as an exploratory student.

Undergraduate Policies

Academic Integrity

Academic honesty is expected of all students in all examinations, papers, academic transactions and records. The possible sanctions include, but are not limited to, appropriate grade penalties, loss of registration privileges, disqualification and dismissal. The School of Letters and Sciences adheres strictly to the student code of conduct regarding academic dishonesty. A copy of the student code of conduct may be obtained from the student's academic advisor or online at <http://provost.asu.edu/academicintegrity> [1].

Academic Standing

To be considered in academic good standing in the School of Letters and Sciences, students must achieve a cumulative GPA of 2.00 or higher.

Students who do not achieve a 2.00 GPA will be placed on university academic probation and must meet with an advisor to discuss academic success strategies for the subsequent semester. Students on academic probation will be required to take UNI 220 Academic Refresher. UNI 220 will appear on the students' DARS. In addition, students who have fewer than 24 credit hours will be required to participate in the ASU PASS [2] program. If students successfully complete UNI 220 and participate in the PASS program, they will get an additional semester of continuing probation before being disqualified.

Within one semester, a student on academic probation must do one of the following:

1. Raise ASU cumulative GPA to 2.00 or higher in order to return to academic good standing.
2. Obtain a semester GPA of 2.00 or higher and be continued on probation even if the cumulative GPA is below a 2.00. The student may be continued on academic probation, earning the required semester GPA, for as many semesters as needed to achieve academic good standing.

Students who fail to meet either of these options may be disqualified from ASU.

Advising

All students are encouraged to seek advising before registration. Students must follow the calendar published in the registration and tuition payment guide each semester for information and deadlines pertaining to enrollment, adding or dropping classes and withdrawals.

In addition to information provided by an academic success specialist, students must read the requirements for university general studies, college graduation and major degree requirements in their edition of the ASU academic catalog. The ASU academic catalog is the governing source for all degree requirements.

Advising Locations and Contact Information: <https://sls.asu.edu/node/480> [3]

Mandatory Advising

The following students in the School of Letters and Sciences must receive advising clearance prior to course registration:

- students in all exploratory tracks
- students in their first semester at ASU
- students completing their 30th, 60th and 90th credit hours
- students on academic probation
- students who have been readmitted to ASU
- students who have been disqualified (these students are allowed to attend ASU summer sessions only and must be advised prior to registration)
- students who are off-track for graduation

Students are encouraged to check their mandatory advising status each semester before attempting any registration transactions through MyASU.

Credit/Registration

Students enrolling in courses offered by the School of Letters and Sciences are expected to follow the rules and deadlines specified in this catalog and the current registration and tuition payment guide. Students are encouraged to meet with their academic success specialists before registration.

Degree Requirements

All candidates for graduation are required to complete at least 120 credit hours, of which at least 45 hours must consist of upper-division courses. A minimum ASU cumulative GPA of 2.00 is required for graduation.

Critical and Necessary Requirements

eAdvisor is a suite of tools used to monitor student progression toward degree completion consisting of Degree Search, major maps and the tracking of critical and necessary requirements. All undergraduate majors at ASU provide an eight-term course plan leading to four-year graduation called a major map.

Terms one through four include one or more courses designated as critical requirements. These courses are a critical predictor of success in a specific major. Necessary requirements designated in terms five through eight must be completed successfully and in the appropriate term to ensure timely completion of the degree program.

Access eAdvisor at <http://eadvisor.asu.edu/> [4].

Exploratory Students

All first-year students who choose to become an exploratory student are required to declare an exploratory track in one of four areas:

- exploratory social and behavioral sciences
- exploratory health and life sciences
- exploratory humanities and fine arts
- exploratory math, physical sciences, engineering and technology

Each of these tracks is designed to provide students with introductory courses in a field of choice (e.g., introduction to psychology, introduction to environmental design), general studies education and elective courses that reinforce student interests. Each exploratory track is composed of a three-semester major map, culminating in the declaration of a major no later than the completion of 45 credit hours. Students are required to maintain a GPA that keeps them in good academic standing with the university and allows them to declare the major of their choosing.

Major maps for each of these exploratory tracks and all other School of Letters and Sciences and ASU majors are available at <http://www.asu.edu/programs/> [5].

Required Courses

All new School of Letters and Sciences freshman students are required to enroll in the ASU 101 course during their first ASU semester.

All exploratory students are also required to enroll in a major and career exploration class (UNI 150, 250, or 270) each semester the student remains designated as an exploratory student.

Appeals Procedures

Academic appeals and requests for variances or exceptions should be discussed first with the student's academic success specialist and then, if necessary, submitted in writing to the School of Letters and Sciences standards committee. The university undergraduate standards committee also reviews all requests reviewed by the School of Letters and Sciences standards committee for exceptions to university requirements. For more details please visit <https://sls.asu.edu/node/203> [6].

Concurrent Degrees

The school allows students who have completed at least 30 graded credit hours with a minimum GPA of 2.00 to request approval from the school to pursue a concurrent degree. Concurrent degrees may not be from the same discipline or have overlap in the courses required for each major. Note: in order to complete a concurrent degree, students must earn at least 30 unique credit hours

applied toward each degree. Students should schedule an academic advising appointment to begin the concurrent degree approval process.

Readmission

Students who have been disqualified from ASU may be readmitted to the School of Letters and Sciences for a fall or spring semester if they complete one of the following:

1. Raise their ASU cumulative GPA to good academic standing (2.00) by taking ASU summer session courses.
2. Complete 12 or more transferrable credit hours at a community college or university with no grades lower than a "C" and a GPA of 2.50 or better. Courses in which the student failed or received a "D" at ASU should not be repeated at another institution.

Once readmitted, the student may be placed on academic probation for at least one semester. Students on probation will have one semester to raise their cumulative or semester GPA to meet ASU academic good standing (2.00). Failure to do so will result in disqualification from the university.

Graduate Policies

Please review graduate policies at graduate.asu.edu/forms/gradpolicies [7].

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies including those established by Graduate Education and the School of Letters and Sciences.

Source URL: <https://catalog.asu.edu/policies/sls>

Links:

- [1] <http://provost.asu.edu/academicintegrity>
- [2] <http://studentsuccess.asu.edu/pass>
- [3] <https://sls.asu.edu/node/480>
- [4] <http://eadvisor.asu.edu/>
- [5] <http://www.asu.edu/programs/>
- [6] <https://sls.asu.edu/node/203>
- [7] <http://graduate.asu.edu/forms/gradpolicies>

Liberal Arts and Sciences, College of

Included are the current policies in the College of Liberal Arts and Sciences.

Undergraduate Policies

Academic Integrity

Academic honesty is expected of all students in all examinations, papers, laboratory work, academic transactions and records. The possible sanctions include, but are not limited to, appropriate grade penalties, loss of registration privileges, disqualification and dismissal. For more information, see <http://provost.asu.edu/academicintegrity> [1].

Student Responsibilities

Students enrolling in courses offered by the College of Liberal Arts and Sciences are expected to follow the rules and deadlines specified in this catalog pertaining to enrollment, adding or dropping classes, withdrawals, and tuition payment.

Students are encouraged to meet with their departmental academic advisors regularly. Students with additional questions regarding the academic rules of the college and the university are welcome to meet with advisors in the college's office of student and academic programs, in FULTN 110 (480-965-6506).

In addition, students must understand and follow the requirements for university General Studies and college graduation requirements in their edition of ASU's Academic Catalog. The academic catalog is the governing source for all degree requirements.

Academic Standing

The standards for GPA and the terms of academic probation, disqualification, reinstatement and appeal are identical to those of the university, as set forth under retention and academic standards. One exception, disqualified students in the College of Liberal Arts and Sciences are suspended for at least two regular semesters at the university.

When a student is placed on probation, one of three things can happen. The student can:

- return to academic good standing by raising his or her cumulative GPA to 2.00 or higher
- remain on probation by earning the required semester GPA of at least 2.00, but not raising the cumulative GPA to academic good standing*
- be disqualified if the student fails to achieve the required semester GPA of 2.00

*A student may continue on academic probation, earning the required semester GPA, for as many semesters as it takes to raise the cumulative GPA to academic good standing.

Students who are placed on academic probation are required to see their major advisor. Students who are academically disqualified should contact the office of student and academic programs in FULTN 110 (480-965-6506).

Note: Students who leave the university for a semester or more while on academic probation are not automatically readmitted. Such students should contact the office of student and academic programs regarding procedures for reinstatement and returning to academic good standing.

Advising

All students are encouraged to seek advising before registration.

eAdvisor

eAdvisor provides students the tools to successfully follow their major maps to graduation and to assist in:

- learning more about graduation requirements for their majors
- discerning what critical-requirement courses and grades are required to stay on track to successfully complete their degrees
- planning for and scheduling appropriate courses in the correct sequence to maximize success
- monitoring progress toward their degrees
- finding out how courses may fit into other majors if they decide to change majors or to add concurrent degrees

Students can access and learn more about eAdvisor at <http://eadvisor.asu.edu/> [2].

Advising Locations

College of Liberal Arts and Sciences students should seek routine advising in the department or school of their major. Locations of each advising office can be found at <https://clas.asu.edu/current-students/department-advisors> [3].

The office of student and academic programs, in FULTN 110, is the central resource center for academic information in the college. Requests from students, departmental advisors and faculty for clarification of rules, procedures and advising needs of the college and university should be directed to that office. Also available is information on policies and procedures of the college regarding academic honesty, student grievances with respect to grades and various petitions involving college and university degree and graduation requirements.

Required Advising

The following groups of students are required to meet with their advisors in order to be eligible to register for their courses:

- all students registering for their first semester at ASU
- freshmen registering for their second semester at ASU
- students on academic probation
- students who have been disqualified
- students who are off track in their major

Students listed above should consult an advisor in the department or school of their major. One exception, disqualified students should schedule an advising appointment with the office of student and academic programs located in FULTN 110 (480-965-6506).

Advising for Preprofessional Programs	
Professional Field	Advisor Location
Dentistry	FULTN 110
Foreign Service	Diplomat in Residence, Philip Egger, COOR 6th floor
Law	FULTN 110
Medicine	FULTN 110
Ministry	School of Historical, Philosophical and Religious Studies, COOR 3309
Occupational Therapy	FULTN 110
Optometry	FULTN 110
Osteopathy	FULTN 110
Pharmacy	FULTN 110
Physical Therapy	FULTN 110
Physician Assistant	FULTN 110
Veterinary Medicine	FULTN 110

Health Professions

Students who plan to pursue a health profession should meet regularly with the preprofessional advising staff located in the office of student and academic programs. For each of the health-related fields listed above, specific courses must be taken to complete graduate or professional school prerequisites and to prepare for required standardized admission exams (e.g., MCAT). To schedule a meeting with a prehealth advisor, call 480-965-2365 (FULTN 110).

Prelaw

Students who plan to pursue a law-related profession should seek out guidance from the preprofessional advising staff located in the office of student and academic programs. There are no specific course requirements for entrance into law school. Courses that engage students in intense critical analysis and include substantial amounts of writing, however, are recommended as are practical experiences in legally related fields (e.g., through internships). Students can schedule a meeting with a prelaw advisor by calling 480-965-2365.

Credit/Registration

Credits, Degrees and Course Registration

Credit Requirement

All candidates for graduation for bachelor degrees in the college are required to complete at least 120 credit hours, of which at least 45 hours must consist of upper-division courses. A minimum ASU cumulative GPA of 2.00 is required for graduation.

Concurrent Degrees

The college allows students who have completed at least 30 graded credit hours with a minimum GPA of 2.00 to petition the college to pursue a concurrent degree. Concurrent degrees may not be from the same discipline or have overlap in the courses required for each major. Petition forms can be found on the college's website or through the office of student and academic programs (FULTN 110). Note: in order to complete a concurrent degree, students must earn at least 30 unique credit hours applied toward each degree.

Minors

The college offers minors in many of its disciplines. All minors must entail a minimum of 18 hours in the discipline with at least 12 of those hours as upper-division courses. Six of the upper-division hours must be taken from courses offered by the College of Liberal Arts and Sciences. Students should work with the advisors in the departments of their minors to make certain they are making the most effective choices to complete their minors. Students may not use courses in their minors toward their majors and, similarly, students may not use courses in their majors to fill the requirements of their minors. Additionally, there may be some disciplines that are too close in content for a student to choose a particular combination of minor and major.

Course Load

The normal course load is 15 or 16 credit hours for a full 15-week semester. First-semester freshmen and entering transfer students are not permitted to register for more than 18 credit hours in the initial 15-week semester or nine credit hours in session A and nine credit hours in session B. Other students who wish to register for more than 18 hours must have a GPA of at least 3.40 and have completed a minimum of two semesters at ASU, in which they have completed 17 to 18 hours per 15-week semester. Students meeting these requirements may seek an overload for 19 to 20 hours (or up to 10 hours in either session A or B) from the advising office in the departments of their majors. Any petition for an overload in excess of 21 hours (or more than 10 hours in either session A or B) must be presented to the office of student and academic programs, in FULTN 110. No student should assume that his or her petition for overload will be granted.

For summer sessions, the maximum course load is 14 credit hours, seven per six-week summer session. Overloads are rarely granted for these sessions, and requests must be petitioned to the office of student and academic programs, in FULTN 110.

Pass/Fail Grade Option

The pass/fail grade option is intended to broaden the education of liberal arts and sciences undergraduates by encouraging them to take advanced courses outside their specializations. A grade of "P" (pass) contributes to a student's earned hours, but does not affect the GPA. A failing grade is computed into the GPA.

College of Liberal Arts and Sciences students with at least 60 credit hours may take courses under the pass/fail option. The following conditions apply:

- Enrollment for the pass/fail option must be approved by the instructor and the college.
- Enrollment for the pass/fail option must be indicated during registration and may not be changed after the drop/add period.
- A maximum of 12 hours taken for pass/fail may be counted toward graduation.

Note: Students may not enroll under the pass/fail option in the following courses:

- those taken to satisfy the second-language or first-year composition requirements
- those in the student's major, minor or certificate program
- those counted toward or required to supplement the major
- those counted as 499 Individualized Instruction
- those taken for honors credits

- those counted toward satisfying the College of Liberal Arts and Sciences graduation requirements or ASU's General Studies requirements

Audit Grade Option

Students may choose to audit courses in which they attend regularly scheduled class sessions but earn no credit. Students wishing to audit a course should obtain instructor approval before registering. Note: The audit grade option may not be changed after the drop/add period.

Degree Requirements

College Graduation Requirements

All students in the College of Liberal Arts and Sciences must complete the university General Studies requirements as well as all requirements in their major. In addition, the college has established requirements that are specific to the BA, BS and BS in planning degrees.

Requirements for all college undergraduates. All students are required to take a minimum of MAT 117 or higher, excluding MAT 110 and one-credit hour math courses. A grade of "C" (2.00) or higher must be earned in the chosen mathematics course.

Each student admitted as a first-time freshman is required to complete a freshman success course or first-year seminar. These courses are designed to introduce students to the college and help them gain understanding of what they will need to do to be successful students at ASU. Topics include academic success, academic integrity and student engagement.

Bachelor of Arts. Each student pursuing a bachelor of arts degree must demonstrate intermediate proficiency in a second language by completing the courses specified below with a grade of "C" (2.00) or higher in each course. The second-language course requirement may be fulfilled in one of the following ways:

- completion of second-language course work at the intermediate level (202 or equivalent)*
- a foreign language course at the 300 level or higher taught in the foreign language and having 202 or its equivalent as a prerequisite
- demonstrated completion of secondary education at a school in which the language of instruction is not English
- completion of SHS 202 American Sign Language IV or its equivalent

*Those students completing this requirement in Ancient Greek must take GRK 301 and 302; students completing the requirement in Portuguese or Romanian must complete POR 314 or ROM 314.

Bachelor of Science. Each student pursuing a bachelor of science degree must complete six credit hours (two courses) of Science and Society courses. Students should consult an advisor in the department or school of their major for a list of appropriate courses. The current list of Science and Society courses is also listed on the college's website at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. [4]

Major Requirements

Each student is required to select a major from among the fields of study offered by the college. Major maps describe the requirements for completion of each degree program.

The department of the major may require up to 45 credit hours of course work. The minimum is 30 hours. A maximum of 15 additional hours may be required in related courses and prerequisites. No more than 60 credit hours of course work may be required to complete the major, related courses and prerequisites. Some departments require calculus-level mathematics and up to five of these credit hours may be excluded from the 60-hour maximum as they satisfy the college's mathematics proficiency requirement. A minimum of 12 upper-division hours in the major must be taken in residence and from courses offered by the College of Liberal Arts and Sciences.

No credit is granted toward fulfilling major or minor requirements in any upper-division course in that subject field unless the grade in that course is at least a “C” (2.00). In the College of Liberal Arts and Sciences, the assignment of a grade of “Y” (satisfactory) indicates a level of performance that would have resulted in a grade of at least “C” (2.00) had the normal grading scheme been used.

See individual departmental websites for other minimum grade requirements.

Major fields of study are classified into the following three areas:

Humanities

- Asia studies
- Asian languages (Chinese/Japanese)
- English
- film and media studies
- French
- German
- history
- international letters and cultures
- Italian
- Jewish studies
- philosophy
- religious studies
- Russian
- Spanish

Natural Sciences and Mathematics

- actuarial science
- biochemistry
- biological sciences
- biophysics
- chemistry
- computational mathematical sciences
- Earth and environmental studies
- Earth and space exploration
- mathematics
- microbiology
- molecular bioscience/biotechnology
- physics
- psychology

Social Sciences

- African and African American studies
- American Indian studies
- anthropology
- applied mathematics for the life and social sciences
- Asian Pacific American studies
- communication
- economics
- family and human development
- geographic information science
- geography
- global health
- global studies
- justice studies

- political science
- sociology
- transborder Chicana/o and Latina/o studies
- urban planning
- women and gender studies

General Electives

Most liberal arts and sciences majors can meet all the above requirements with fewer than the 120 credit hours required for graduation. Remaining hours are general electives that may be selected from any of the departments of the College of Liberal Arts and Sciences or from the offerings of other ASU schools and colleges.

Reinstatement/Readmission

Students who have been academically disqualified from the university can earn readmission or reinstatement to the college and to their majors. That process begins with developing a plan with advisors in the office of student and academic programs. The plan will include taking at least 12 approved credit hours at community college and earning a minimum GPA of 3.00 with no course earning a grade below a "C" (2.00). Students can schedule a meeting to develop a plan with the office of student and academic programs by calling 480-965-6506.

Note: Disqualified students who were off track for two or more semesters at the time of their disqualification will not be readmitted or reinstated into their former majors.

Other Special Requirements

Some of the major degree programs offered by the college require students to satisfactorily complete a portfolio before being permitted to take upper-division classes. Others require students to study abroad as part of the degree program. Students should check with the departments or schools of their majors to see if there any such policies apply to them.

Graduate Policies

Please consult the individual school or department for information about requirements for graduate study.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies set forth by Graduate Education and the College of Liberal Arts and Sciences.

Source URL: https://catalog.asu.edu/policies/liberal_arts

Links:

- [1] <http://provost.asu.edu/academicintegrity>
- [2] <http://eadvisor.asu.edu/>
- [3] <https://clas.asu.edu/current-students/department-advisors>
- [4] <https://clas.asu.edu/node/13605>

New College of Interdisciplinary Arts and Sciences

The New College of Interdisciplinary Arts and Sciences is dedicated to providing knowledge on the cutting edge, preparing students with the abilities they will need to succeed in the 21st century.

New College offers an interdisciplinary approach by building upon the knowledges of multiple disciplines such as history, religion, psychology, sociology, biology and statistics, and brings them together to meet such challenges as developing sustainable societies, creating social justice and human rights, ending poverty and understanding who we are and what gives meaning to our lives.

New College focuses on the arts and sciences, a curriculum grounded in the study of a particular discipline or major within a broad general education that provides students with the ability to think critically, to express themselves in speaking and writing, to use quantitative and technological skills in solving problems, and to understand how values shape individuals and societies.

Further, in the tradition of a liberal arts education, New College is built upon close faculty-student relationships, and a large number of undergraduates pursue their own faculty-sponsored independent research projects. Students are also granted the opportunity to integrate curricular with extracurricular life not only by lectures, discussions and activities outside of the classroom, but also by internships and service-learning opportunities in local businesses and organizations. For more information, visit <http://newcollege.asu.edu/> [1].

Undergraduate Policies

Academic Integrity

The New College of Interdisciplinary Arts and Sciences adheres to ASU's student academic integrity policy. Therefore, academic honesty is expected in all areas of student work including examinations, written work, laboratory assignments, internships, group work and all other necessary transactions. If academic integrity is compromised, possible sanctions include, but are not limited to, course assignment grade penalties, failure of course, disqualification and dismissal from the university. For more information, see <https://provost.asu.edu/academicintegrity/policy> [2].

Academic Standing

New College students must achieve a cumulative GPA of 2.00 in order to be considered in good academic standing at ASU. Students falling below a semester or cumulative GPA of 2.00 will be placed on academic probation and will be required to meet with an advisor to effectively plan academic progress toward graduation. For further information, see https://catalog.asu.edu/retention_standing [3].

Advising

All students in New College are encouraged to seek academic advisement prior to course enrollment each semester.

To ensure students are making timely progress toward degree completion, advising may be required for the following:

- newly admitted students
- freshman students
- students on academic probation
- students off-track for eAdvisor Tracking requirements

For New College advising information, see <http://newcollege.asu.edu/college-advisor> [4].

For eAdvisor Tracking and other general academic program information, see <https://students.asu.edu/academics> [5].

Credit/Registration

Audit Grade Option

Students may audit a course, which allows them to attend but not earn credit. Students must obtain instructor approval prior to enrollment (<https://students.asu.edu/grades> [6]). This grade option may not be changed after the drop/add period.

The audit option may be used under the following conditions:

- approval has been granted from the instructor and college offering the course
- audit option chosen during initial registration for the course

Course Load

Students are limited to a maximum of 18 credit hours per term. Enrollment in additional credit hours requires college academic advisor approval.

Course Prerequisites

Course prerequisites are established to ensure student success in a course. Students must complete all course prerequisites prior to enrolling in the desired course. Prerequisite overrides may be granted under the following conditions:

- transfer course has been accepted by advisor to fulfill required course prerequisite
- prerequisite override has been granted by an advisor

Grade of Incomplete

A grade of incomplete is granted if a student is in good standing in the course and has completed a substantial portion of the course work, but experiences extenuating circumstances prior to the end of the semester, preventing completion of the course (see <https://students.asu.edu/forms/incomplete-grade-request> [7]).

Pass/Fail Grade Option

A grade of “Y” (pass) contributes to a student’s earned hours, but does not affect the GPA. A failing grade is calculated into the GPA.

The pass/fail grade option may be used under the following conditions:

- approval has been granted from the instructor and college offering the course
- pass/fail option chosen during initial registration for the course, if available

New College students may not enroll under the pass/fail option in the following courses:

- those taken to satisfy first-year composition requirements
- those taken from the student's major, minor or certificate program
- those taken for honors credits
- those counted toward satisfying New College general studies requirements
- those counted toward satisfying the New College language and cultures and math proficiency requirements

Transfer

Transfer Course Work

Credit is granted for transferred courses deemed equivalent to corresponding courses in the selected program of study, subject to grade and ASU resident credit requirements. No grades lower than “C” (2.00) transfer to ASU. Credits transferred from a community college or two-year institution are applied as lower-division credits. For a listing of the acceptable courses transferable to the various degree programs, prospective Arizona transfer students should consult their advisors and refer to the ASU transfer tools (<http://transfer.asu.edu> [8]).

Some courses taken from other ASU colleges or other universities may be acceptable for general university credit but may not be applicable toward the degree requirements of the schools. Determination of those particular courses applicable to a specific degree program is made within the appropriate academic unit.

Withdrawal

Complete Session Withdrawal Information

Since a complete session withdrawal from the university can be a difficult decision and could result in serious academic and financial consequences, beginning the first day of the fall and spring semesters, **undergraduate students** are required to contact the college or school of their major to facilitate the withdrawal process.

Students must complete the following steps in the order in which they are listed:

1. Fill out a complete session withdrawal form (<http://newcollege.asu.edu/advising/completewithdrawal> [9]).
2. Make an appointment with their advisor and take the form to the appointment.

ASU has many resources in place to help students. Students may want to consider one or more of the following:

- **Withdraw from Just One or Two Classes (Course Withdrawal):** After the drop/add deadline through the course withdrawal deadline for a class, students can withdraw from the class while remaining enrolled in other classes. Students are encouraged to contact their academic advisor to discuss the impact this may have on meeting critical requirements.
- **Request a Medical or Compassionate Withdrawal:** Medical or Compassionate withdrawals are available for students needing to withdraw from one or more classes due to a personal mental/physical health condition or the death or serious illness of a family member or close friend. For information concerning medical/compassionate withdrawal requests, see <https://students.asu.edu/files/Medical-Compassionate%20Withdrawal%20Request.pdf> [10].
- **Seek Tutoring or Academic Support Services:** The Student Success Center provides a variety of services to help students become better learners and gain the confidence and skills to achieve their academic goals. Services include: writing centers, math tutoring, subject area tutoring and supplemental instruction. For more information concerning Student Success Center, visit <http://studentsuccess.asu.edu/west> [11].
- **Make an Appointment with ASU's Counseling Services:** Counseling and mental health services are provided at each of the four ASU campuses. ASU students may seek services at any of the campus counseling centers, regardless of their college affiliation. For more information, visit <https://students.asu.edu/counselingwest> [12].
- **Explore the Possibility of an "I" (Incomplete) Grade:** If approved, a grade of "I" (incomplete) may be granted by an instructor when students are otherwise doing acceptable work and have completed a substantial portion of the course, but are unable to complete the course due to illness or other conditions beyond their control. Students interested in incompletes should discuss this option with their instructors and arrange for the completion of the class requirements.

Possible consequences resulting from a complete session withdrawal:

- **Financial Aid:** Financial aid recipients who completely withdraw from the university may be responsible for immediate repayment of funds. The effect of a complete withdrawal on financial aid depends on when the withdrawal is dated and the type of financial aid. For more information, visit <https://students.asu.edu/financialaid> [13].
- **Tuition and Refunds:** The date of a complete withdrawal will determine whether or not a tuition refund will be generated. Please review the tuition refund policy [14] for more information.
- **Health Insurance:** Students should contact their health insurance company to determine whether or not withdrawing from the university affects their coverage.
- **Residential Life:** Students who live on campus should contact their residential hall community staff to determine what impact withdrawing will have on their eligibility to live on campus; to complete a license agreement release form; and to arrange an appointment to officially check out. For more information, visit <http://housing.asu.edu/content/west-campus> [15].
- **Veteran Benefits and Certifications:** Students should contact the appropriate veteran benefits and certifications office to discuss information regarding veterans' educational benefits and military activation. For more information, email w.westvso@asu.edu.

For general university withdrawal procedures, see <http://students.asu.edu/withdrawal> [16].

Degree Requirements

All candidates for graduation in the BA, BS and BAS curricula are required to present at least 120 credit hours, of which at least 45 credit hours must consist of upper-division work. A minimum cumulative GPA of 2.00 is required for graduation. Students must complete a New College residency requirement of a minimum of 12 credit hours of upper-division (300 and 400 level) course work from the school housing the student's major.

It is the student's responsibility to be aware of the degree program requirements and to select courses accordingly.

To graduate, a student must satisfy three requirements:

1. college proficiency requirements for language and cultures and mathematics
2. university first-year composition and general studies requirements
3. major requirements that involve concentrated course work in one program

Proficiency Requirements

Each student is required to demonstrate proficiency in the analysis of language and cultures and mathematics by passing an examination or by completing the courses specified below with a grade of “C” (2.00) or higher in each course.

Students considering graduate work after completion of a bachelor’s should consult with faculty advisors regarding language requirements in their intended areas of study.

Language and Cultures

This requirement may be satisfied through one of the following:

- completion of secondary education at a school in which the language of instruction is not English
- completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV
- completion of an upper-division course or courses taught in a foreign language, taken in the United States or the relevant country
- completion of six credit hours of upper-division courses that have a global awareness (G) or cultural diversity in the U.S. (C) designation in addition to the courses used to meet the university General Studies requirements
- completion of two sequential semesters of course work in a current computer language. Contact the college advising office for information on applicable course work.

Mathematics

MAT 142 or any MAT course for which MAT 117 or a higher-level MAT course is a prerequisite.

Major Requirements

Each student is required to select a major from among the programs offered by the New College of Interdisciplinary Arts and Sciences.

The major program may require up to 45 credit hours of course work. The minimum is 30 hours. A maximum of 18 additional hours may be required in related courses and prerequisites. No more than 63 credit hours of course work may be required to complete the major, related courses and prerequisites.

No credit is granted toward fulfilling major or minor requirements in any upper-division course in the subject field of the major unless the grade in that course is at least a “C” (2.00). Normally a “Y” (pass) grade needs confirmation that it is equivalent to a “C” (2.00) or higher.

General Electives

After the three requirements have been satisfied, the remainder of the minimum 120 credit hours required for graduation are general electives. Contact college advisors for assistance in selecting elective courses.

Concurrent Degrees

Students seeking concurrent degrees must file a petition to do so (<http://newcollege.asu.edu/advising/forms> [17]). If the program overlap is too significant between the two programs, the petition will not be granted.

The following conditions must be met when seeking approval for concurrent degrees:

- The student has completed all prerequisites and a minimum of 12 credit hours within the first major.
- The student has maintained a cumulative GPA of 3.00 or higher.

- The student provides adequate justification for the addition of a concurrent degree.
- The student has not waited until the final semester to petition for approval to pursue a concurrent degree.

Minors

New College offers minors in many of its disciplines. All minors require a minimum of 18 credit hours in the discipline with at least 12 of those hours completed as upper-division course work. Six of the upper-division hours must be taken from courses offered by the New College of Interdisciplinary Arts and Sciences. Courses used in the minor may not be used in the student's major program (<https://catalog.asu.edu/index.php?q=minors> [18]).

Reinstatement/Readmission

Undergraduate degree-seeking students who previously attended ASU in New College but have not been enrolled at ASU for one or two consecutive fall or spring semesters are eligible to return through quick reentry. These students are not required to submit a new application or application fee, but must contact an academic advisor in their school to enroll.

Undergraduates who have been away from the university for three or more semesters and want to return to ASU in a New College program are required to apply for readmission through the university registrar's office (see <https://students.asu.edu/readmission> [19]).

Disqualified or ineligible students must follow the procedures for readmission and will be reviewed by the college on a case-by-case basis.

Graduate Policies

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies including those of Graduate Education and the New College of Interdisciplinary Arts and Sciences.

Source URL: https://catalog.asu.edu/policies/new_college

Links:

- [1] <http://newcollege.asu.edu/>
- [2] <https://provost.asu.edu/academicintegrity/policy>
- [3] https://catalog.asu.edu/retention_standing
- [4] <http://newcollege.asu.edu/college-advisor>
- [5] <https://students.asu.edu/academics>
- [6] <https://students.asu.edu/grades>
- [7] <https://students.asu.edu/forms/incomplete-grade-request>
- [8] <http://transfer.asu.edu/>
- [9] <http://newcollege.asu.edu/advising/completewithdrawal>
- [10] <https://students.asu.edu/files/Medical-Compassionate%20Withdrawal%20Request.pdf>
- [11] <http://studentsuccess.asu.edu/west>
- [12] <https://students.asu.edu/counselingwest>
- [13] <https://students.asu.edu/financialaid>
- [14] <https://students.asu.edu/tuitionrefundpolicy>
- [15] <http://housing.asu.edu/content/west-campus>
- [16] <http://students.asu.edu/withdrawal>
- [17] <http://newcollege.asu.edu/advising/forms>
- [18] <https://catalog.asu.edu/index.php?q=minors>
- [19] <https://students.asu.edu/readmission>

Nursing and Health Innovation, College of

Students interested in the undergraduate nursing programs, including the traditional prelicensure clinical nursing program (TPCNP), postbaccalaureate clinical nursing program (PBCNP), RN to BSN, RN to BSN concurrent enrollment program (CEP), and the

Eastern Arizona College - ASU RN to BSN partnership program (EAC) may contact the undergraduate student academic services office at 602-496-0888 to obtain the most current information on college policies. Because of changing resources regarding clinical experiences, the criteria used to determine how spaces will be assigned to these programs are subject to change.

Special note: The College of Nursing and Health Innovation periodically needs to implement new policies, protocols and procedures to comply with accreditation, regulatory or clinical health care agency requirements; therefore, policies, protocols and procedures are subject to change.

Confirm current policies, protocols and procedures with the respective program office and student handbook. All appendices referenced are included in the Undergraduate Student Handbook, <https://nursingandhealth.asu.edu/current-students/student-forms> [1].

Undergraduate Policies

Academic Integrity

Academic and Professional Integrity

Academic honesty is expected of all students in all examinations, papers, academic transactions and records. The possible sanctions include, but are not limited to, appropriate grade penalties, disqualification and dismissal. The College of Nursing and Health Innovation (CONHI) adheres to the ASU student code of conduct and the CONHI academic and professional integrity protocol located in the undergraduate nursing student handbook. A copy of the student code of conduct may be obtained online at <https://provost.asu.edu/academicintegrity> [2] and a copy of the CONHI academic and professional integrity protocol may be obtained online at <https://nursingandhealth.asu.edu/students/forms> [3]. Academic dishonesty is not tolerated in any course and is subject to specific College of Nursing and Health Innovation policies and procedures.

Academic Standing

University standards for academic good standing are followed for all majors in the college. Students who do not maintain the minimum GPA after each fall or spring semester are placed on academic probation. Students on academic probation or continuing probation must meet with an academic advisor before registering for the subsequent semester. Students placed on academic probation have one semester to raise the cumulative or semester GPA to meet the academic good standing criteria; otherwise, these students may be disqualified or determined to be ineligible for the majors in this college. Disqualified students are not permitted to enroll for the fall or spring semesters.

eAdvisor tracking focuses on students who initially enroll as full-time freshmen and tracks their progress during the first four semesters. It identifies and outlines the critical courses, GPA requirements and milestones that predict success in each major. Students use major maps and progress reports to plan what courses to take each semester.

Students who do not meet critical requirements are notified they are off track, and off-track status is displayed on My ASU student pages. Off-track students are required to see an academic advisor before registering for or adding classes. Students off track for two consecutive semesters may be required to change majors.

Students pursuing the RN to BSN, the postbaccalaureate BSN or the concurrent enrollment program are not critically tracked.

Advising

Academic advising is an essential aspect of the educational experience and is provided by the college through the undergraduate student academic services office and the graduate programs offices. Academic advisors assist students with program planning, registration, preparation of petitions, verification of graduation requirements, referrals to university and community resources and career planning. ASU accepts course work transferred from other accredited institutions and then the College of Nursing and Health Innovation determines if and how the courses will be applied.

The undergraduate student academic services office is committed to ensuring that students reach their academic goals and graduate in four years. This is done by monitoring student progress and providing the academic resources and personalized tools students need to get off to a good start and stay on track toward graduation. Students can monitor their own progress with the eAdvisor

academic success resources at <https://eadvisor.asu.edu/> [4] and with personalized tools at <https://eadvisor.asu.edu/students/tools> [5].

Student responsibilities include following university guidelines regarding submission of transcripts from all colleges other than ASU, obtaining the necessary signatures or computer verifications required by the university, and following university procedures for matriculation. It is ultimately the responsibility of each student to fulfill academic and program requirements.

Mandatory Advising

All freshmen and new undergraduate transfer students are required to meet with an academic advisor before registering for courses. Students with academic probationary status and off-track students are required to meet with an academic advisor to plan strategies for improving academic standing. Students interested in transferring to the prelicensure nursing program must attend a BSN information session before a one-on-one academic advising appointment will be scheduled. Information session information is located at <http://nursingandhealth.asu.edu/programs/nursing/undergraduate/bsn/info-bsn.htm> [6].

Credit/Registration

Course Load

Students wishing to register for more than the maximum allowable credits in a term must petition the standards committee and must obtain an approved overload before registration (search for undergraduate standards committee petition on the main ASU Web page). All prerequisite courses for the nursing programs must be taken for a letter grade. All upper-division nursing courses will be taken for a grade except for selected clinical courses in the prelicensure program that are taken for “P” (pass) or “Y” (satisfactory).

Students wishing to pursue concurrent degrees must petition the university standards committee.

Degree Requirements

RN to BSN Program

Applicants who have an associate degree in nursing or a nursing diploma and have their RN license must apply to the online RN to BSN program at <http://asuonline.asu.edu/> [7]. Admission standards for the online RN to BSN program are the same as university admission requirements, which can be found at <http://students.asu.edu/admission> [8].

The RN to BSN program builds on the knowledge and skills the student learned in their associate degree or diploma from a diploma school. The course assignments will enhance the student’s written and verbal communication skills, clinical reasoning skills, and information technology skills. Faculty are leaders and experts in their practice areas. Faculty strive to prepare graduates who will be engaged, professional, innovative leaders who use evidence-based practice to facilitate positive change in the work environment and community. Graduates will demonstrate holistic population-based perspectives and be solution identifiers, client advocates and effective communicators.

The RN to BSN program is offered entirely online. The program can be completed in 14 to 18 months.

The RN to BSN program has transfer pathway agreements with all the community colleges in Arizona. There are five start times per year: twice in the spring and fall and once in the summer. There are field work assignments in some courses, but there are no clinical or practicum classes. Students must have earned a 2.50 in the following courses to be eligible for the Maricopa pathway program: BIO 201, BIO 202, CHM 130/LL, BIO 205, ENG 101, ENG 102, and PSY 101. The courses required for each pathway vary somewhat.

Students with an AAS from a community college in Arizona may be eligible for a Pathway program. Students who did not complete the AAS in the state of Arizona are eligible for the non-pathway program.

Potential students must have an active RN license in good standing in the state or country in which they are working. There is a minimum GPA of 2.50 for all undergraduate course work. All prerequisites require a grade of a “C” or better.

For more information on this program please view <http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-nursing-rn-bsn> [9].

Traditional Prelicensure Clinical Nursing Program

Admission requirements for the traditional prelicensure clinical nursing program (TPCNP) are more rigorous than university requirements. Some entering freshmen will be directly admitted to the nursing major. Other students will be admitted to prenursing and then compete for space in the nursing program. A competitive application process (CAP) will be used to fill any available seats in the TPCNP after placing directly admitted nursing major students. Spaces will be given to those students with the highest advancement score. Directly admitted nursing major students must meet continuing eligibility criteria each semester. If they fail to meet one or more of the criteria, they forfeit their direct admit nursing major status and may compete for advancement to the TPCNP.

The continuing eligibility criteria are as follows:

1. "on track" status each semester
2. full-time (12 or more credits per semester) and continuous enrollment
3. grades of "B" or better in critical (prerequisite) courses; one "C" grade allowed
4. minimum 11 critical (prerequisite) courses taken at ASU (dual enrollment and AP credits will count as part of the 11)
5. 3.50 minimum cumulative ASU GPA
6. 3.50 minimum semester ASU GPA in every semester
7. 3.50 minimum critical (prerequisite) course GPA each semester*
8. thirteen of 17 prerequisite courses completed by the end of the 3rd term with a 3.75 GPA in those 13 courses or 3.75 select GPA*
9. successful completion of all screening items
10. complete prerequisites in four semesters

*Pluses and minuses (+/-) are not used in this computation.

Consideration for advancement to the TPCNP and the PBCNP are separate processes that follow admission to ASU.

Prenursing, transfer students, students in other majors, nursing major students who have forfeited direct admission, and students who have already completed a bachelor's degree in another discipline are all eligible to compete for a space in the program through the competitive application process, provided they have completed the prerequisite courses and all screening items. The advancement score for the TPCNP is composed of the select GPA and the TEAS score.

Select GPA: The select GPA will be computed based on 13 critical (prerequisite) courses and must include ENG 101, ENG 102, and three of the four lab sciences (BIO 201, BIO 202, CHM 101, MIC 205/206). Critical courses with a grade of "C" or better may not be repeated to improve the select GPA. Please see a nursing academic advisor for possible replacement course options.

Note: Students who have already earned a bachelor's degree may choose to use a "Pass" grade rather than letter grades for ENG 101 and 102.

Prerequisite and select GPA: Students must have a minimum 3.25 in both their prerequisite GPA and select GPA. The average select GPA for those advanced into the program in previous semesters has been much higher than a 3.25.

Test of Essential Academic Skills: Students will be measured in the basic essential skills in academic content areas of reading, mathematics, science and English and language usage. To prepare for the exam we recommend students visit www.atitesting.com [10] to review the resources available from the creators of the exam. TEAS score: Minimum required = 58.7 percent.

The select GPA and TEAS scores will be used to rank students from high to low in the CAP. After direct-admit students who meet continuing eligibility criteria are advanced, students highest on the list will be offered the remaining spaces in the traditional prelicensure clinical nursing program. Students not selected may choose to compete again in the next term, if space is available. There is no limit on the number of times students may compete; a waiting list will not be maintained. Students who do not meet the minimum select GPA and TEAS scores will be withdrawn from consideration.

Nursing faculty may opt to use additional criteria in the selection process.

Postbaccalaureate Clinical Nursing Program

In order to be considered for the postbaccalaureate clinical nursing program, all interested students must have a bachelor's degree in a discipline other than nursing posted at ASU by the deadline for placement.

Placement in the postbaccalaureate clinical nursing program is based on clinical space availability. More students may request placement than clinical space will allow. Placement is not guaranteed.

The program is a 12-month program that begins during the spring semester and it includes the spring, summer and fall semesters. The program is offered only at the ASU Downtown Phoenix campus. The program will only begin during the spring semester. Summer tuition rates apply.

The prerequisites for this program are: BIO 201, BIO 202, CDE 232, CHM 101, HCR 220, HCR 240, MIC 205/206, NTR 241, PGS 101 and a statistics course that meets the General Studies CS requirement.

Eight of the 10 courses must be completed by the placement deadline with a minimum 3.50 GPA for the semester for which you apply. All four science courses (BIO 201, BIO 202, CHM 101, and MIC 205/206) must be completed by the placement deadline.

Students must meet all ASU General Studies requirements by the end of the fall semester before beginning the postbaccalaureate clinical nursing program in the spring semester.

Grades of "C" (2.00) or better must be earned in each course and a minimum 3.50 Prerequisite GPA is required by Dec. 31. Courses with a grade of "C" or better may not be repeated to improve the Prerequisite GPA. Please see academic advisor for limited replacement course options.

Placement is based on a select GPA, Test of Essential Academic Skills score of 58.7 percent or higher and responses to essay questions. Eligibility requirements, criteria for placement and measurements are subject to change. The select GPA will be computed based on eight of 10 prerequisite courses. If only eight prerequisite courses are completed by the placement deadline, the student's select GPA will include all eight of the courses, four of which must be science courses. If the student has more than eight courses completed, they must select at least three of four lab sciences and then choose five other courses.

Students who have a degree may choose to apply to the PBCNP, the TPCNP, or both programs as long as the prerequisites have been met for both programs.

Concurrent Enrollment Associate-Baccalaureate Nursing Program

The concurrent enrollment associate-baccalaureate nursing program is offered through participating community colleges in the Maricopa Community College District and ASU. This program is designed for qualified nursing students who are interested in earning their BSN in nursing while simultaneously pursuing their AAS in nursing. Selected students will be enrolled in the MaricopaNursing program and ASU BSN courses concurrently. BSN courses taken at ASU will be delivered in an online (iCourse) format.

The concurrent enrollment program allows students to pursue an AAS in nursing via the current MaricopaNursing program while providing an affordable, concurrent course of study that enables students to complete their BSN degree in approximately one to two semesters after graduating with their AAS degree. A limited number of participants are selected from the pool of MaricopaNursing students who have met all associate-baccalaureate CEP identified eligibility requirements.

ASU prerequisite requirements: BIO 201, BIO 202, CHM 101, PGS 101 or CDE 232, MIC 205/206, ENG 101 and 102, HCR 240, and the math requirement (MAT 117, 142, or higher). Students must have a 3.25 or higher GPA in these courses to be eligible for consideration.

For more information please see: <http://nursing.maricopa.edu/> [11]

General Information

Students in the Clinical nursing programs must earn grades of “C” (2.00) or higher in all nursing course work except in nursing practice courses where a designation of a “Y” (satisfactory) or “P” (pass) grade is required. In addition, students are allowed only one nursing course failure (i.e., grade below “C”). The second failure in a nursing course will result in disqualification from the nursing major.

Arizona State Board of Nursing Requirement: Once students have earned the BSN, they must pass a national licensing examination, known as the NCLEX-RN, in order to obtain a nursing license. Arizona State law prohibits an individual convicted of a felony from applying for nursing licensure or certification until five years after the date of absolute discharge of the sentence. Application for and passage of the NCLEX-RN is the sole responsibility of the student.

Students who have completed one or more semesters in an upper-division, accredited, baccalaureate school of nursing are highly unlikely to transfer into clinical nursing programs with advanced standing.

For the TPCNP, PBCNP and CEP programs, science courses (CHM 101, BIO 201, BIO 202 and MIC 205 and 206) must be current within seven years of the program start date. For example, science courses must be taken in spring 2007 or later to be considered current for the spring 2014 programs.

Program Fees

Traditional prelicensure clinical nursing program: Students directly admitted to ASU as a nursing major are charged \$1,000 per semester/term in addition to regular tuition while taking the critical (prerequisite) courses. All students advanced to the TPCNP, whether directly admitted or competitively admitted, are charged \$1,750 per semester or term for the four semesters or terms of the clinical program in addition to tuition charges. Fees are subject to change.

Postbaccalaureate clinical nursing program: There is a \$5,500 program fee per semester or term for the postbaccalaureate BSN concentration in addition to regular tuition and fees. This totals approximately \$16,500 in program fees plus regular tuition and fee charges.

Concurrent Enrollment Program: There is a \$750 program fee per semester or term for the concurrent enrollment program.

RN-BSN Online Program: There is a \$750 program fee per semester or term for the RN to BSN online program. This fee is prorated based on the number of credits taken per term.

All tuition and fees are subject to change.

Reinstatement/Readmission

Disqualified or ineligible students who have skipped a fall or spring semester must follow the procedures for readmission. See readmission to the university at <https://students.asu.edu/readmission> [12].

Applications for reinstatement and readmission to nursing are subject to rigorous requirements that reflect admission and progression standards.

Other Special Requirements

Special note: The College of Nursing and Health Innovation periodically needs to implement new policies, protocols and procedures to comply with accreditation, regulatory or clinical healthcare agency requirements, therefore policies, protocols and procedures are subject to change.

Confirm current policies, protocols and procedures with the respective program office and student handbook. All appendices referenced are included in the Undergraduate Student Handbook, <https://nursingandhealth.asu.edu/current-students/student-forms> [1]

Other Special Requirements

Students in clinical nursing programs that require working in hospitals or with vulnerable populations must meet additional requirements as follows:

Titers and Immunizations

Measles, Mumps & Rubella (MMR): Students must provide proof of immunity through positive titer results for rubella and rubeola.

Varicella (chicken pox): Students must provide proof of immunity through positive titer results. A history of chicken pox does not constitute proof of immunity. Two vaccinations may be required.

Hepatitis B: Three doses of hepatitis B are required. Students may also provide immunity through positive titer results.

Tetanus/Diphtheria: Students must provide proof of receiving a tetanus/diphtheria immunization within the last ten years. Students are required to keep this immunization current throughout the advancement consideration process and when enrolled in the traditional prelicensure clinical nursing program.

Tuberculin Skin Test: Students must provide proof of a TB skin test taken within the last 12 months, with negative results. Students with positive TB skin test results must follow up with their health care providers for assessment and follow-up treatment, if needed. Treatment must be initiated prior to enrollment in the traditional prelicensure clinical nursing program; TB skin test results must be valid through the first semester of the program, and negative TB skin test or evidence of follow-up treatment is required every 12 months while participating in the program.

Supplemental Materials: The requirements specified in this section affect student ability to progress in the traditional prelicensure clinical nursing program course work, eligibility for clinical placement and to ultimately to be licensed as an RN.

Cardiopulmonary Resuscitation/Basic Life Support Certification: Proof of CPR/BLS health care provider certification is required. Students are required to keep the CPR/BLS current throughout advancement consideration and when enrolled in the traditional prelicensure clinical nursing program.

Level One Fingerprint Clearance Card: Level one fingerprint clearance, in the form of a fingerprint clearance card, is required by Arizona state law to work and care for children, the elderly and vulnerable adults. Fingerprint clearance is determined after a background screening process at the state and federal levels to check for criminal records. Students must have a valid, unrestricted fingerprint clearance card to advance to and remain in the clinical nursing programs. Students with concerns about a restriction may call the Arizona Department of Public Safety at 602-223-2279.

Federal- and State-level Background Screening: Students must have an unrestricted security background check to advance to and remain in clinical nursing programs.

Drug Screen and Nicotine Testing: All students in clinical nursing programs will be required to complete a drug screen. Results of the drug screen must be negative. Dilute specimens are considered positive. Students will also be tested for nicotine; however, the presence of nicotine will not restrict enrollment in clinical course work but will affect the clinical placements while in the program.

Lawful Presence: The college follows the Arizona State Board of Nursing policy regarding lawful presence in the United States. "On January 2, 2008, ARS 1-504 (HB2467) was implemented by the Board requiring ALL applicants to provide the Board with satisfactory documentation demonstrating the applicants' citizenship, alien status, legal residency or lawful presence in the United States" (<http://www.azbn.gov/Documents/Newsletters/2008/Journal%201st%20Quarter%202008.pdf> [13], page 23).

RN Licensure: Students completing the BSN are eligible to sit for the NCLEX-RN. However, legislation regarding the Arizona State Board of Nursing prohibits an individual convicted of a felony from applying for licensure or certification until five years after the date of absolute discharge of sentence. This means that all court-ordered terms of probation or parole must be completed at least five years prior to the date of application for nurse licensure. Each case is considered by the Arizona State Board of Nursing on its own merits. The elapse of five years does not guarantee licensure or certification — it simply permits the submission of an application and board consideration. In addition, the Arizona State Board of Nursing may deny any application for a license if the applicant has committed any acts of unprofessional conduct. See the Arizona State Board of Nursing website at <http://www.azbn.gov> [14].

Required Clinical Experiences: Clinical hours vary with facility placement and may include 12-hour blocks of time, weekends and evenings. Flexibility is required since there are a limited number of available clinical sites for student experiences. Students must have the ability to utilize written, verbal and computerized communication with faculty, peers and other health care professionals. Students are expected to demonstrate the ability to think critically and apply nursing knowledge to clinical situations. Students are also required to accept professional supervision from faculty and designated staff and effectively integrate feedback into practice.

Equal Access: The college is committed to making learning experiences accessible and inclusive for all students, including those with an identified disability or disabling condition. In compliance with the ASU policy on Students with Disabilities USI 702-02, <http://www.asu.edu/aad/manuals/usi/usi701-02.html> [15], every effort will be made to accommodate students with special needs to find cost-effective methods to address the identified student condition and serve the needs of the patients. Accommodations may include resources and assistive aids for those students with cognitive and perceptual disabilities, specialized equipment for hearing or vision deficits, and modifications to the physical environment or clinical hours. Students with disabilities are required to document their condition with the Disability Resource Center upon admission to the college and to be key participants in identifying their needs. The college will provide reasonable and appropriate accommodations for any student who has documented a disability or disabling health condition.

Graduate Policies

Additional Policies

Academic Advising: Prospective graduate students may receive information through the graduate program office of the college. Advisor contact information is available at <https://nursingandhealth.asu.edu/advising/nursinggrad.htm> [16]. Upon admission, each student is assigned a faculty advisor or mentor within the degree or certificate program or area of concentration.

Review the student handbooks for the College of Nursing and Health Innovation for information regarding graduate academic procedures and protocols:

Graduate Student Handbook (<https://nursingandhealth.asu.edu/files/students/handbooks/nursing-grad.pdf> [17])

PhD in Nursing and Healthcare Innovation Student Handbook
(<https://nursingandhealth.asu.edu/files/students/handbooks/phd.pdf> [18])

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies including those of Graduate Education and the College of Nursing and Health Innovation.

Source URL: <https://catalog.asu.edu/policies/nursing>

Links:

- [1] <https://nursingandhealth.asu.edu/current-students/student-forms>
- [2] <https://provost.asu.edu/academicintegrity>
- [3] <https://nursingandhealth.asu.edu/students/forms>
- [4] <https://eadvisor.asu.edu/>
- [5] <https://eadvisor.asu.edu/students/tools>
- [6] <http://nursingandhealth.asu.edu/programs/nursing/undergraduate/bsn/info-bsn.htm>
- [7] <http://asuonline.asu.edu/>
- [8] <http://students.asu.edu/admission>
- [9] <http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-nursing-rn-bsn>
- [10] <http://www.atitesting.com/>
- [11] <http://nursing.maricopa.edu/>
- [12] <https://students.asu.edu/readmission>
- [13] <http://www.azbn.gov/Documents/Newsletters/2008/Journal%201st%20Quarter%202008.pdf>
- [14] <http://www.azbn.gov>
- [15] <http://www.asu.edu/aad/manuals/usi/usi701-02.html>
- [16] <https://nursingandhealth.asu.edu/advising/nursinggrad.htm>
- [17] <https://nursingandhealth.asu.edu/files/students/handbooks/nursing-grad.pdf>
- [18] <https://nursingandhealth.asu.edu/files/students/handbooks/phd.pdf>

Public Programs, College of

The College of Public Programs believes our students are our greatest resource. We strive to put the well-being of our students at the center of every policy and program. Policies and processes serve as guidelines for our students, but each student situation is unique, and we encourage our students to work directly with our talented advising staff to address concerns and issues.

Undergraduate Policies

Academic Integrity

The College of Public Programs academic integrity process models the ASU process. For more information on the process, including next steps, please visit our website at <https://copp.asu.edu/> [1].

Academic Standing

Students in the College of Public Programs are considered to be in good standing for the purpose of retention if they maintain a cumulative GPA of 2.00 or higher in all courses taken at ASU. Certain majors within the College of Public Programs may require a progressively higher GPA than 2.00 as a student advances toward their degree. These requirements are outlined in the student's major map.

Probation

Any student who does not maintain good standing is placed on academic probation. A student on academic probation is required to observe any limitations or rules the college may impose as a condition for retention.

Disqualification

A student who is on probation becomes disqualified if one of the following occurs:

- the student has not returned to good standing
- the student has not met the required semester GPA

Disqualification is exercised at the discretion of the college and becomes effective on the first day of the fall or spring semester following college action. A disqualified student is notified by the office of the registrar or the dean of the college and is not allowed to register for a fall or spring semester at the university until reinstated. A student who is disqualified may not attend as a nondegree student.

Advising

The following categories of students are required to receive advising and be cleared by a program advisor before they may register for classes:

- all freshmen
- all students majoring in social work
- readmitted students
- students on probation
- students who have been disqualified
- students with special admission status
- students with admission competency deficiencies
- transfer students in the first semester at ASU

Credit/Registration

Course Load

A normal course load per semester is 15 or 16 credit hours. The maximum number of hours for which a student can register is 18 credit hours unless an overload petition has been filed and approved by the department or school standards committee and dean or dean's designee. Semester course loads may be further limited for students in mandatory advising. Petitions for overload are not ordinarily approved for students who have a cumulative GPA less than 3.00 and who do not state valid reasons for the need to register for the credits. Students who register for credit hours in excess of 18 and do not have an approved overload petition on file may have courses randomly removed through an administrative drop action. Specific degree requirements are explained in detail under the respective college, school and department sections.

Degree Requirements

Interdisciplinary Public Service Requirement

The College of Public Programs has a college-level graduation requirement for all undergraduate students majoring within the college. This degree requirement is called the interdisciplinary public service requirement. Each student must complete course work from other schools within the college. Students may choose a core course from their major and three courses from the approved course list for this requirement in addition to completing ASU 101. ASU 101 must be completed in the first year at ASU; the other courses can be taken while completing the degree. The approved course list is available through the advisor for the major. Questions about this requirement should be directed to the academic advisor for the major.

Reinstatement/Readmission

Students seeking reinstatement after disqualification should contact the College of Public Programs student services office regarding procedures and guidance for returning to good standing. When reinstatement includes readmission, application must be made through the ASU readmissions process. All academic disciplinary action is the function of the College of Public Programs student services office, UCENT 650, under the direction of the dean of the college. Students having academic problems should call this office for advising at 602-496-0600.

The mission of the College of Public Programs professional academic advising staff is to assist students in developing meaningful educational plans to meet their academic, career and personal goals in an ongoing process of evaluation and clarification. The advisors strive to perform their duties in a professional, ethical, confidential, accurate and supportive manner, respecting student diversity and needs and always holding the individual in highest regard. The student and advisor should accomplish this process in a spirit of shared responsibility to develop academic excellence, strong decision-making skills and self-reliance. A student who has been admitted to the College of Public Programs is assigned an academic advisor from the academic unit of the student's major area of study. Questions about advising should be directed to the student's academic advisor or to the College of Public Programs student services office, UCENT 600.

Graduate Policies

Advising

Advising is usually handled by graduate faculty or a committee. Once admitted, each student is typically assigned a temporary faculty advisor in the potential areas of specialization; this advisor assists in planning a course of study. For those degree programs requiring the completion of a thesis, a chair and thesis supervisory committee are selected by the director of graduate studies, in consultation with the student and appointed by the vice provost of Graduate Education. Each graduate degree program in the College of Public Programs has its own set of policies regarding academic performance expectations. Students should contact their graduate advisor to review policies relevant to their degree.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies including those of Graduate Education and the College of Public Programs.

Source URL: https://catalog.asu.edu/policies/public_programs

Links:

[1] <https://copp.asu.edu/>

Sustainability, School of

Undergraduate Policies

Academic Integrity

The School of Sustainability adheres to ASU's academic integrity policies and procedures which can be found at: <https://provost.asu.edu/index.php?q=academicintegrity> [1].

Academic Standing

Student Responsibilities

Students need to make many decisions as they complete their degrees. While the school and the university have a number of resources available (e.g., faculty, courses, advisors and tutors) to help in making the decisions, students are expected to take responsibility for their decisions.

Good Standing

Students in the School of Sustainability are considered in good standing for the purpose of retention if they maintain a cumulative GPA of 2.00 or higher in all courses taken at ASU and maintain critical requirements within the major, which may include higher GPA expectations (students should refer to the major map for their catalog year).

Critical Requirements

All sustainability students must meet critical requirements for their intended majors. Students who do not comply with the critical requirements are off track and will have holds placed on their records. They will have to meet with their advisors to have their holds removed. Further registration in their intended majors may not be permitted for those students who still do not meet all critical requirements in the following semester. Students that are off track for two consecutive semesters may be required to change their major.

Probation

Students that do not maintain a cumulative GPA of 2.00 or higher in all courses taken at ASU are placed on academic probation. Before students on probation can register for classes in the next semester, they are required to complete an academic success contract with an advisor and discuss campus academic resources, plan semester goals and discuss strategies to attain academic success. Students on academic probation may be limited to the number of credit hours they can enroll in, must enroll in UNI 220 Academic Refresher, and must also do one of the following:

1. Over the next semester, raise their cumulative ASU GPA to 2.00 or higher in order to return to good academic standing.
2. Obtain a semester GPA of 2.50 with no grade lower than a "C" in order to be granted one additional semester on continuing probation (providing them with a total of two semesters to return to good academic standing and avoid or disqualification).

In addition, students who have fewer than 24 credit hours will be required to participate in the ASU Pathway for Achieving Student Success (PASS) Program <https://studentsuccess.asu.edu/pass> [2].

Disqualification

Students who do not meet probation requirements are subject to disqualification. Disqualified students will not be able to register for classes in the fall or spring semester at the university. Registrations will be canceled for students who have already registered for future fall or spring semesters.

Advising

The School of Sustainability's Student Services Center assists students in achieving their personal, educational, cultural and career goals while becoming self-directed, lifelong learners. The School encourages students to meet with an advisor at least once a semester and requires that students meet with an advisor at four points during their academic career:

1. new student advising (all newly admitted students)
2. sustainability success advising (during the first semester to plan for the second semester)
3. pivotal advising (at the point in time where students typically declare their track and related discipline)
4. launchpad advising (to prepare for capstone experiences and planning for post graduation)

Office hours are Monday through Friday (excluding university holidays), 9 a.m. to 4 p.m. Students should call in advance (480-727-6963) to make their appointments so advisors can set aside the appropriate time to answer all their questions.

Degree Requirements

School Graduation Requirements

All students in the School of Sustainability must complete the university General Studies requirement as well as all requirements in their majors. In addition, the school has established requirements that are specific to the BA and BS:

1. ASU 101 requirement: ASU 101-SOS The ASU Experience (for incoming freshmen) or SOS 201 Introduction to ASU and Sustainability (for incoming transfer students) (1)
2. statistics requirement: STP 226 Elements of Statistics, CS (3) or additional statistics course options as approved by the school
3. second language requirement

Second Language Requirement

Bachelor of Arts: Any student pursuing a BA in the School of Sustainability must demonstrate intermediate proficiency in a second language by completing the courses specified below with a grade of "C" (2.00) or higher in each course. Second-language course requirements may be fulfilled by one of the following:

- completion of second-language course work at the intermediate level (202 or equivalent)*
- a second-language course at the 300 level or higher taught in the second language and having 202 or its equivalent as a prerequisite
- completion of secondary education at a school in which the language of instruction was not English

*Those students completing this requirement in Ancient Greek must take GRK 301 and 302; students completing the requirement in Portuguese or Romanian must complete POR 314 or ROM 314.

Bachelor of Science: Any student pursuing a BS in the School of Sustainability must demonstrate intermediate proficiency in a second language by completing the courses specified below with a grade of "C" (2.00) or higher in each course. Second-language course requirements may be fulfilled by one of the following:

- completion of second-language course work at the introductory level (102 or equivalent)
- a second-language course at the 200 level or higher taught in the second language and having 102 or its equivalent as a prerequisite
- completion of secondary education at a school in which the language of instruction is not English

The School of Sustainability also requires a cumulative 2.50 ASU GPA and a 3.00 SOS GPA in order to graduate with a BA or BS in sustainability.

Concurrent Degrees

Students who wish to obtain concurrent degrees must realize there are certain combinations that would not be approved because there is too great an overlap between the courses required for each major. For example, students may not pursue a BA or BS in sustainability as well as a BA in business with a concentration in sustainability.

Reinstatement/Readmission

Students seeking reinstatement after disqualification or readmission after absence from the university should contact the School of Sustainability office regarding procedures and guidance for returning to good standing. When reinstatement includes readmission, application must be made through the ASU readmission process.

Other special requirements

Student Appeal Procedure on Grades

The School of Sustainability follows the university policy for student appeal procedure on grades, which may be found online at <https://catalog.asu.edu/appeal> [3].

Graduate Policies

Graduate students should refer to the School of Sustainability graduate handbook at <http://schoolofsustainability.asu.edu/graduate/> [4] for information about graduate policies and academic standards.

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies including those outlined by Graduate Education and the School of Sustainability.

Please contact the school for more information at schoolofsustainability@asu.edu [5] or 480-727-6963.

Source URL: <https://catalog.asu.edu/policies/sustainability>

Links:

[1] <https://provost.asu.edu/index.php?q=academicintegrity>

[2] <https://studentsuccess.asu.edu/pass>

[3] <https://catalog.asu.edu/appeal>

[4] <http://schoolofsustainability.asu.edu/graduate/>

[5] <mailto:schoolofsustainability@asu.edu>

Teachers College, Mary Lou Fulton

Mary Lou Fulton Teachers College is nationally known for innovative teacher preparation programs, the quality of its graduates and strength of its school partnerships. The college is among the national leaders in teacher education. Graduates are prepared to address the local and global challenges of improving education by becoming the next generation of teachers, school and school district leaders, researchers, scholarly practitioners, policy makers and other educational leaders.

Mary Lou Fulton Teachers College prepares new teachers to impact student achievement through rigorous and innovative programs at schools around the state and on ASU's Tempe, Polytechnic, West and Downtown Phoenix campuses. Online graduate and undergraduate courses are offered in a variety of areas making programs available at a distance.

As one of the largest, most influential colleges of education in the nation, Mary Lou Fulton Teachers College offers highly regarded doctoral degree programs. Candidates are well prepared for dynamic careers in school leadership, education policy, education technology, higher and post-secondary education and other education related fields. Consistently ranked as a top graduate school by U.S. News & World Report, Mary Lou Fulton Teachers College is a force for discovery and for inspiring leaders who will meet the challenges of the future.

For more information, visit <http://education.asu.edu> [1].

Undergraduate Policies

Academic Integrity

Students in Mary Lou Fulton Teachers College who do not exhibit integrity and professional behaviors in the classroom or when in the field are referred to the college administration for disciplinary action. Please refer to the Student Academic Integrity Policy for more information: <http://provost.asu.edu/academicintegrity>. [2]

Academic Standing

Academic Standing - Teacher Preparation

To be in good standing in Mary Lou Fulton Teachers College, students must maintain an overall cumulative GPA of 2.50 or higher with at least a “C” (2.00) grade in all education courses and must complete the courses as outlined. Students in the professional program will be formally reviewed regarding their academic progress and professional attributes in order to determine retention and continuation status. Students with records containing indicators of professional or academic concerns will be placed on probation, suspension or permanently removed from their programs.

Academic Standing – Educational Studies

To be in good standing in Mary Lou Fulton Teachers College, students must maintain an overall cumulative GPA of 2.00 or higher and earn a “C” (2.00) grade in all education courses. Students with records containing indicators of professional or academic concerns will be placed on probation, suspension or permanently removed from their programs.

Advising

The Office of Student Services is dedicated to providing students with the very best academic support and guidance throughout their academic programs. Academic program advisors provide assistance selecting classes and in fulfilling program requirements. Each ASU campus has dedicated academic advisors trained on all Teachers College programs. See <http://education.asu.edu/content/student-services-contact-information> [3] for advising locations and contact information. Students are encouraged to meet with their advisors every semester.

Credit Registration

Students are limited to a maximum of 18 credit hours per term. Enrollment in additional credit hours requires college academic advisor approval.

Audit

Teachers College students are permitted to audit any non-iTeachAZ course. Additional university fees are assigned to courses when the audit option is chosen.

Course Prerequisites

Enrollment in upper-division iTeachAZ course work requires approval from Teachers College. Review current course descriptions for course prerequisites.

Incomplete Grades

Incomplete grades will only be issued if a student is in good standing in the course and experiences an extenuating situation just prior to the end of the term. Courses not leading to Arizona teacher certification must be completed one calendar year from the initial grade assignment. Students enrolled in the professional program must complete “I” grades before the start of student teaching.

Pass/Fail

A “Y” grade is assigned to a passed course and an “E” grade is assigned to a failed course. Only the “E” grade will be computed in the ASU cumulative GPA.

Grade appeals

The undergraduate grade appeal policy is available from academic advisors in the office of student services or at <http://mytc.asu.edu> [4]. Students attempting to appeal grades must first discuss the reasons with the course instructors. Appeals must be filed by the deadline stated in the policy. <http://mytc.asu.edu/student-forms-and-policies> [5].

Transfer

Students may transfer a maximum of 64 credits from two-year institutions. There is no limit to the number of credits transferred from four-year institutions. Students interested in substituting previous teacher preparation courses for current professional program Teachers College courses must submit the petition for adjustment of requirements to the office of student services at their chosen campuses.

Any transfer student who is interested in starting iTeachAZ must submit an online form, have a 2.50 cumulative GPA, completion of 60 credit hours and fulfill specific course requirements as outlined by each education major. Students who complete the Associate of Arts in elementary education, Transfer Admission Guarantee and Maricopa-ASU Pathways Program will meet the requirements for progression into the professional program.

Withdrawal

Review the Mary Lou Fulton Teachers College undergraduate withdrawal policy at <http://mytc.asu.edu/student-forms-and-policies> [5] and the current university withdrawal procedures at <http://students.asu.edu/withdrawal> [6]. It is each student's responsibility to withdraw from courses. Students will not be automatically withdrawn for non-attendance.

Degree Requirements

Students who begin at ASU as freshmen will follow the major maps for their chosen programs. The major map is an outline that students follow each term for enrollment. Students who have attended only ASU are reviewed at the completion of each term to ensure that they are on track for graduation. Transfer students must attend an advising session and will learn the degree requirements as well as minimum eligibility requirements for degree completion. Students must fulfill field experience, student teaching or service learning requirements as part of degree completion. Mary Lou Fulton Teachers College is committed to providing support and resources for students needing academic or professional growth assistance.

To be in good standing in Mary Lou Fulton Teachers College, students must maintain an overall cumulative GPA of 2.00 or higher and earn a “C” (2.00) grade in all education courses. Students are evaluated in accordance with the Mary Lou Fulton Teachers College retention and continuation policy. Students in the program are formally reviewed regarding their academic progress to determine retention and continuation status. Students with records that contain indicators of professional or academic concerns will be placed on probation, suspension or permanently removed from their programs.

Students who exhibit unprofessional behaviors or attributes will be required to meet with a Mary Lou Fulton Teachers College administrator to develop a Professional Improvement Plan (PIP), which outlines the expectations for continuing in the program. Students placed on a PIP will be placed on probation or suspension and are subject to the disqualification policy of Mary Lou Fulton Teachers College. Refer to the retention and continuation policy for additional information: <http://mytc.asu.edu/student-forms-and-policies> [5].

Reinstatement/Readmission

Applications for reinstatement/readmission will be reviewed by the Director of Undergraduate Student Services on a case-by-case basis.

Other Special Requirements

Additional Requirements for Teacher Certification Candidates

Milestones

As outlined on major maps, students are required to meet milestones for successful progression into iTeachAZ. These milestones include obtaining DPS fingerprint clearance card, submitting an Intent to Progress Form, with an Academic Advisor, and attending an enrollment workshop. Details can be found at <http://mytc.asu.edu/student-forms-and-policies> [5].

Fingerprint Clearance Card

Per Arizona state statute A.R.S. § 15-106, all teachers and persons who are required to be fingerprinted to work in the classroom are required to have an identity verified fingerprint clearance card. All students enrolling in programs leading to certification must participate in field experiences and student or apprentice teaching. Students participating in field experience must have proof of a fingerprint clearance card on file in the Office of Clinical Experiences before field placement hours begin.

Intent to Progress

All students who start at ASU as first-time freshmen must submit their intent to progress forms to the office of student services during term three, before beginning the iTeachAZ program in term five. Intent to progress form is located at <http://mytc.asu.edu/student-forms-and-policies> [5].

Graduate Policies

Academic Policies

The college offers master's and doctoral programs as well as graduate certificates. Some programs also allow students to obtain state or professional certification.

After admission to a degree program, specific advice related to degree requirements and activities is provided by academic advisors in the Office of Student Services. Once admitted, all graduate students are required to submit a plan of study. The plan of study (iPOS) functions as a contract between the student, the academic unit and Graduate Education. The iPOS contains certain degree requirements such as course work, a committee and a culminating experience. Call 602-543-6358 and ask for the academic advisor for a specific campus or program.

Grade Appeals

The graduate grade appeal policy is available from academic advisors in the Office of Student Services or at <http://mytc.asu.edu> [7]. Students wishing to appeal grades must first discuss the reasons with the course instructors. Appeals must be filed by the deadline stated in the policy.

Satisfactory Progress Policies

The college graduate satisfactory academic progress and professional conduct policy is provided to students at the time of enrollment and is available on <http://mytc.asu.edu> [7]. Students must maintain a minimum GPA each semester, meet program deadlines, avoid the accumulation of an excessive number of grades of incomplete or withdrawals and adhere to professional responsibilities standards. Graduate students may be placed on academic probation for reasons stated in the satisfactory academic progress and professional conduct policy. For complete information, see the policy.

Continuous Enrollment and Re-entry for Graduate Programs

Once admitted to a graduate program, the student must be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. If a plan of study must be interrupted for one semester, the student may apply to Graduate Education for a leave of absence not to exceed one semester. An application for leave status, endorsed by the division director or designee, must be approved by Graduate Education; for a doctoral student, the leave must also be endorsed by the members of the student's supervisory committee. This request must be filed and approved prior to the semester of anticipated absence. A student on leave is not required to pay fees and is not permitted to place any demands on university faculty or use any university facilities. Students may be continuously enrolled by registering for one credit hour of continuing registration; please contact an academic advisor for more details. A student who interrupts a program without obtaining an approved leave of absence may be removed from the degree program by Graduate Education.

Graduation Requirement

A candidate for a graduate degree must satisfactorily complete the culminating experience requirements required by the program. Information is available for each program from the Office of Student Services.

Master's Programs

In addition to the Graduate Education policy and procedures that govern graduate programs at ASU and which are provided elsewhere in this catalog, the policies specific to each master's program are provided to students at the time of enrollment in the program. Students are limited to 15 credit hours per semester. Online students are limited to nine credit hours per semester. Exceptions must be approved by the division director. Students who enroll in additional hours may be administratively withdrawn.

Each student in the Induction, Master of Education and Arizona Certification (InMAC) program must hold an Arizona intern teaching certificate and be employed. If either the employment or certificate status changes, the student will need to apply to be placed in the Master's and Arizona Certification (MAC) program. A MAC student who becomes employed on an intern certificate will be evaluated by the division director or designee and placed in the appropriate classes to complete the degree. In either case, extra time may be required to complete the degree program.

Master's Satisfactory Academic Progress and Professional Conduct Policy

Students in master's programs may be placed on academic probation for reasons stated in the satisfactory academic progress and professional conduct policy. These include but are not limited to failure to meet the academic requirements of Graduate Education, a GPA of 3.00 (on a 4.00 scale) or failure to meet the academic requirements of the particular program as stated in the program handbook. Students are expected to maintain professional conduct as explained in the policy. Failure to meet these standards of professional conduct or violations of the student conduct code may result in academic probation, or, for egregious violations, immediate recommendation to Graduate Education for dismissal.

Doctoral Programs

In addition to the Graduate Education policy and procedures that govern doctoral programs at ASU and which are provided elsewhere in this catalog, the satisfactory academic progress and professional conduct policy applies. Additional information specific to a degree program may be provided when students first register for the program.

PhD and EdD Satisfactory Academic Progress and Professional Conduct Policy

Students in doctoral programs may be placed on academic probation for reasons stated in the satisfactory academic progress and professional conduct policy. These include but are not limited to:

- failing to meet the academic requirements of Graduate Education, a GPA of 3.00 (on a 4.00 scale) or failure to meet the academic requirements of the particular program as stated in the program handbook
- unsatisfactory progress as noted on annual review form by mentor or failure to meet for annual review
- failure to meet the standards of professional conduct or violations of the student conduct code may result in academic probation, or, for egregious violations, immediate recommendation to Graduate Education for dismissal

In addition to minimum academic requirements and conduct requirements, a student must maintain progress to degree completion. A student can be recommended to Graduate Education for dismissal for failure to meet Graduate Education policies. See <http://graduate.asu.edu> [8].

Students must fulfill all requirements of their individual graduate programs to remain in good academic standing and abide by all university policies including those of Graduate Education and Mary Lou Fulton Teachers College.

Additional requirements

Per Arizona state statute A.R.S. § 15-106, all teachers and persons who are required to be fingerprinted to work in the classroom are required to have an identity verified fingerprint clearance card. All students enrolling in programs leading to certification must

participate in field experiences and student or apprentice teaching. Students participating in field experience must have proof of a fingerprint clearance card on file in the Office of Clinical Experiences before field placement hours begin.

Source URL: <https://catalog.asu.edu/policies/mlftc>

Links:

- [1] <http://www.education.asu.edu/>
- [2] <http://provost.asu.edu/academicintegrity>
- [3] <http://education.asu.edu/resources/college-contacts>
- [4] <http://mytc.asu.edu/>
- [5] <http://mytc.asu.edu/student-forms-and-policies>
- [6] <http://students.asu.edu/withdrawal>
- [7] <http://mytc.asu.edu>
- [8] <http://graduate.asu.edu>

Academic Programs List

The following section contains a listing of all program descriptions and requirements that are provided for graduate degrees and certificates, minors, undergraduate certificates and undergraduate degrees. Undergraduate degrees have a corresponding major map that includes the critical requirements, order of courses and grade requirements for that degree. Each undergraduate degree's requirements are outlined on the degree's corresponding major map. The major maps and MAPP agreements are provided in the final sections of this document.

Graduate Programs

Graduate Degrees and Certificates (Program Descriptions and Requirements)

Business, W. P. Carey School of

Accountancy, MAcc (BAACCMACC)
Agribusiness, MS (AGAGRIBMS)
Business Administration (Accountancy), PHD (BAACCTPHD)
Business Administration (Agribusiness), PHD (BAAGRIPHD)
Business Administration (Computer and Information Systems), PHD (BAINFSYPHD)
Business Administration (Finance), PHD (BAFINANPHD)
Business Administration (Management), PHD (BAMGMTPHD)
Business Administration (Marketing), PHD (BAMARKPHD)
Business Administration (Supply Chain Management), PHD (BASCMPHD)
Business Analytics, MS (BABUSANMS)
Economics, PHD (BAECONPHD)
Finance, MS (BAFINMS)
Global Financial Management, DBA (BAGFMDBA)
Global Logistics, MS (BAGLSMS)
Information Management, MS (BAINFOMS)
Management, MS (BACMRMS)
Management, MS (BAMCCMS)
Real Estate Development, MREDev (ARREMREDEV)
Supply Chain Management (certificate), Certificate (BASCMCERT)
Supply Chain Management and Engineering, MS (BASCMEMS)
Taxation, MTax (BATAMTAX)
W. P. Carey MBA, MBA (BACORPMBA)
W. P. Carey MBA, MBA (BAEVEAMBA)
W. P. Carey MBA, MBA (BAEVENMBA)
W. P. Carey MBA, MBA (BAEXECMBA)
W. P. Carey MBA, MBA (BAFULLMBA)
W. P. Carey MBA, MBA (BAONLINMBA)
W. P. Carey MBA, MBA (BASHANGMBA)

Design & the Arts, Herberger Institute for

Architecture, MArch (ARARCMARCH)
Art, MFA (HIARTMFA)
Art (Art Education), MA (FAARTEDMA)
Art (Art History), MA (FAARTHISMA)
Art (Digital Technology), MFA (FADIGITMFA)
Built Environment (Energy Performance and Climate Responsive Architecture), MS (AREENERGYMS)
Composition, MM (FAMCOMPMM)
Composition (Interdisciplinary Digital Media and Performance), MM (FADIGITMM)
Dance, MFA (FADANCEMFA)
Dance (Interdisciplinary Digital Media and Performance), MFA (FADANDIMFA)
Design (Arts, Media and Engineering), MSD (ARDESAMMSD)
Design (Design of Healthcare and Healing Environments), MSD (ARHHEMSD)
Design (Industrial Design), MSD (ARINDDEMMSD)
Design (Interaction Design), MSD (ARDSCIMSD)
Design (Interior Design), MSD (ARINTDEMMSD)
Design (New Product Innovation), MSD (ARDSCNMSD)
Design (Visual Communication Design), MSD (ARVCDMSD)
Design, Environment and the Arts, PHD (HIDEAPHD)

Design, Environment and the Arts (Digital Culture in Design), PHD (HIENVDGPHD)
 Design, Environment and the Arts (Healthcare and Healing Environments), PHD (ARENHHEPHD)
 Digital Culture, MA (HIDGCMA)
 Environmental Design and Planning, PHD (ARENVDEPHD)
 History and Theory Of Art, PHD (FAHIARTPHD)
 Industrial Design, MID (HIINDMID)
 Interior Architecture, MIA (HIIAMIA)
 Landscape Architecture, MLA (ARLDEMLA)
 Media Arts and Sciences, PHD (FAMASPHD)
 Music (Conducting), DMA (FACONDDMA)
 Music (Ethnomusicology), MA (FAETHNMA)
 Music (Interdisciplinary Digital Media and Performance), DMA (FAINTDDMA)
 Music (Music Composition), DMA (FACOMPDMA)
 Music (Music Education), PHD (FAMUSEDPHD)
 Music (Music History and Literature), MA (FAMHISTMA)
 Music (Performance), DMA (FAPERFDMA)
 Music Education, MM (FAMUSEDMM)
 Music Therapy, MM (FAMTHERMM)
 Performance (Collaborative Piano), MM (FACPIANOMM)
 Performance (Conducting), MM (HIPERCOMM)
 Performance (Music Theatre/Opera Performance), MM (FAMUTPOMM)
 Performance (Performance Pedagogy), MM (FAPPEDMM)
 Performance (Performance), MM (FAPERF3MM)
 Socially Engaged Practice in Design and the Arts (Certificate), Certificate (HISEPGRCT)
 Theatre, MA (FATHEAMA)
 Theatre (Arts Entrepreneurship and Management), MFA (HITHEAEMFA)
 Theatre (Directing), MFA (FADIRMFA)
 Theatre (Dramatic Writing), MFA (FADRWRMTMFA)
 Theatre (Interdisciplinary Digital Media), MFA (FATHEADMFA)
 Theatre (Performance Design), MFA (FAPERDMFA)
 Theatre (Performance), MFA (FAPERFMFA)
 Theatre (Theatre For Youth), MFA (FAYOUTHMFA)
 Theatre (Theatre For Youth), PHD (FAYOUTHPHD)
 Theatre (Theatre/Performance Americas), PHD (FAPERAMPHD)
 Urban Design, MUD (ARMUDMUD)
 Visual Communication Design, MVCD (HIVCDMVCD)

Engineering, Ira A. Fulton Schools of
 Aerospace Engineering, MS (ESAEROSPMS)
 Aerospace Engineering, PHD (ESAERSPPHD)
 Aerospace Engineering (Engineering Education), PHD (ESAEEEDPHD)
 Applied Ethics and the Professions (Ethics and Emerging Technologies), MA (LAAEPEETMA)
 Applied Psychology, MS (ECAPSYCHMS)
 Biological Design, PHD (GCBDSPHD)
 Biomedical Engineering, MS (ESBIOENMS)
 Biomedical Engineering, PHD (ESBIOENPHD)
 Chemical Engineering, MS (ESCHEMEMS)
 Chemical Engineering, MSE (ESCHEMEMSE)
 Chemical Engineering, PHD (ESCHEMEPHD)
 Civil, Environmental and Sustainable Engineering, MS (ESCIVILMS)
 Civil, Environmental and Sustainable Engineering, MSE (ESCIVILMSE)

Civil, Environmental and Sustainable Engineering, PHD (ESCIVILPHD)
 Computer Engineering (Computer Systems), MS (ESCENCMS)
 Computer Engineering (Computer Systems), PHD (ESCENCPHD)
 Computer Engineering (Electrical Engineering), MS (ESCENEMS)
 Computer Engineering (Electrical Engineering), PHD (ESCENEPHD)
 Computer Science, MCS (ESCOMSCMCS)
 Computer Science, MS (ESCOMSCMS)
 Computer Science, PHD (ESCOMSCPHD)
 Computer Science (Arts, Media and Engineering), MS (ESAMECSMS)
 Computer Science (Arts, Media and Engineering), PHD (ESAMECSPHD)
 Computer Science (Big Data Systems), MCS (ESCSEBDMCS)
 Computer Science (Big Data Systems), MS (ESCSEBDMS)
 Computer Science (Information Assurance), MCS (ESCSEIMCS)
 Computer Science (Information Assurance), MS (ESCSEIAMS)
 Computer Science (Information Assurance), PHD (ESCSEIAPHD)
 Computer Sciences (Biomedical Informatics), MS (ESCSBIOIMS)
 Computing Studies, MCSt (TSCOMPMCST)
 Construction Engineering, MSE (ESCONEMSE)
 Construction Management, MS (ESCONSTMS)
 Construction Management, PHD (ESCONPHD)
 Electrical Engineering, MS (ESEEMS)
 Electrical Engineering, MSE (ESEEMSE)
 Electrical Engineering, PHD (ESEEPHD)
 Electrical Engineering (Arts, Media and Engineering), MS (ESAMEMS)
 Electrical Engineering (Arts, Media and Engineering), PHD (ESAMEPHD)
 Engineering, MEng (EENGRMENG)
 Engineering, MS (TSEGRMS)
 Engineering Science (Enterprise Systems Innovation and Management), MSE (ESIEEMSE)
 Engineering Science (Software Engineering), MSE (ESSFEMSE)
 Industrial Engineering, MS (ESINDENMS)
 Industrial Engineering, MSE (ESINDENMSE)
 Industrial Engineering, PHD (ESINDENPHD)
 Information Technology, MS (TSIFTMS)
 Lean Six Sigma Black Belt (Certificate), Certificate (ESLSSBGRCT)
 Manufacturing Engineering, MS (TSMEGRMS)
 Materials Science and Engineering, MS (ESMATEMS)
 Materials Science and Engineering, MSE (ESMATEMSE)
 Materials Science and Engineering, PHD (ESENMATPHD)
 Mechanical Engineering, MS (ESMEMS)
 Mechanical Engineering, MSE (ESMEMSE)
 Mechanical Engineering, PHD (ESMEPHD)
 Mechanical Engineering (Engineering Education), PHD (ESMEEEDPHD)
 Natural Science (Middle School Science, Technology, Engineering and Mathematics), MNS (GCSTMMNS)
 Nuclear Power Generation (certificate), Certificate (ESNPGGRCT)
 Simulation, Modeling, and Applied Cognitive Science, PHD (TSSMACSPHD)
 Software Engineering, MS (TSSERMS)
 Solar Energy Engineering and Commercialization, PSM (ESSEECPSM)
 Sustainable Technology and Management (certificate), Certificate (SUSUTECHCE)
 Technology (Alternative Energy Technologies), MSTech (TSATMSTECH)
 Technology (Aviation Management and Human Factors), MSTech (TSHFMSTECH)

Technology (Electronic Systems Engineering Technology), MTech (TSSYMSTECH)
 Technology (Environmental Technology Management), MTech (TSMGMSTECH)
 Technology (Global Technology and Entrepreneurship), MTech (TSGEMSTECH)
 Technology (Graphic Information Technology), MTech (TSGIMSTECH)
 Technology (Integrated Electronic Systems), MTech (TSESMSTECH)
 Technology (Management of Technology), MTech (TSMRMSTECH)
 Technology (Manufacturing Engineering Technology), MTech (TSMFMSTECH)
 Technology (Mechanical Engineering Technology), MTech (TSMHMSTECH)

Health Solutions, College of
 Audiology, AudD (LAAUDAUD)D
 Behavioral Health, DBH (LSBEVHEDBH)
 Biomedical Diagnostics, MS (NHBMDMS)
 Biomedical Informatics, MS (ESBIOINFMS)
 Biomedical Informatics, PHD (ESBMIPHD)
 Clinical Exercise Physiology, MS (NHCEPMS)
 Communication Disorders, MS (LACOMDISMS)
 Exercise and Wellness, MS (ECEXERMS)
 Exercise and Wellness (Healthy Aging), MS (NHEXWHMS)
 Nutrition, MS (ECHNUTMS)
 Nutrition (Dietetics), MS (ECNTRDMS)
 Obesity Prevention and Management, MS (NHOBMS)
 Physical Activity, Nutrition and Wellness, PHD (ECNUTRIPHD)
 Science of Health Care Delivery, MS (NHSCHDMS)
 Speech and Hearing Science, PHD (LAHEARPHD)

Interdisciplinary Arts & Sciences, New College of
 Communication Studies, MA (ASCOMSTMA)
 Interdisciplinary Studies, MA (ASINTERMA)
 Psychology, MS (ASPGSMS)
 Social Justice and Human Rights, MA (ASJHRMA)

Journalism & Mass Communication, Walter Cronkite School of
 Business Journalism (Certificate), Certificate (CSBSJGRCT)
 Journalism and Mass Communication, PHD (CSJMCPhD)
 Mass Communication, MMC (CSMCOMMMC)

Law, Sandra Day O'Connor College of
 Biotechnology and Genomics, LL.M. (LWGENOMLLM)
 Indian Law (certificate), Certificate (LWLAWGRCI)
 Juris Doctor of Law, JD (LWJDJD)
 Law, Science, & Technology (certificate), Certificate (LWLAWSTCE)
 Laws, LL.M. (LAWLAWSLLM)
 Laws (Global Legal Studies), LL.M. (LAWLGLPLLM)
 Legal Studies, MLS (LWLGSMLGS)
 Legal Studies (Patent Practice), MLS (LWLPPMLGS)
 Tribal Policy, Law and Government, LL.M. (LWTBLMLAWS)

Letters & Sciences, School of
 Applied Biological Sciences, MS (TSAPBIOSMS)
 Applied Ethics and the Professions (Science, Technology and Ethics), MA (LAAEPSEEMA)
 Counseling, MC (EDCOUNMC)
 Counseling Psychology, PHD (EDCPSYPHD)
 Global Technology and Development, MS (LSGTDMS)
 Technical Communication, MS (LSTCCMMS)

Technical Communication (certificate), Certificate (LSTECGRCT)

Liberal Arts & Sciences, College of

African Studies (certificate), Certificate (LAAFRICACE)

American Indian Studies (Cultural Resource Revitalization and Sustainability), MS (LAAISCMS)

American Indian Studies (Indigenous Rights and Social Justice), MS (LAAISIMS)

American Indian Studies (Tribal Leadership and Governance), MS (LAAISTMS)

American Indian Studies (Visual and Oral Culture), MS (LAAISVMS)

American Media and Popular Culture, MAS (LAAMPCMAS)

Animal Behavior, PHD (LAANBPHD)

Anthropology, PHD (LAANTHRPHD)

Anthropology (Complex Adaptive Systems Science), PHD (LAANTHCPHD)

Anthropology (Urbanism), PHD (LAURBPHD)

Applied Behavior Analysis, MS (LAAPBAMS)

Applied Ethics and the Professions (Biomedical and Health Ethics), MA (LAAEPMEMA)

Applied Linguistics, PHD (EDAPLPHD)

Applied Mathematics, PHD (LAAPMPHD)

Applied Mathematics for the Life & Social Sciences, PHD (LAAMLPHD)

Applied Mathematics for the Life and Social Sciences (Complex Adaptive Systems Science), PHD (LAAMLCPHD)

Asian Languages and Civilizations (Chinese), MA (LACHINAMA)

Asian Languages and Civilizations (Japanese), MA (LAJAPANMA)

Asian Studies (certificate), Certificate (LAASIANCE)

Astrophysics, MS (LAASTPHMS)

Astrophysics, PHD (LAASTPHPHD)

Atmospheric Science (certificate), Certificate (LAATMOSCE)

Biochemistry, MS (LABIOCHMS)

Biochemistry, PHD (LABIOCHPHD)

Biochemistry (Medicinal Biochemistry), MS (LABCHMCMS)

Biology, MS (LABIOMS)

Biology, PHD (LABIOPHD)

Biology (Biology and Society), MS (LABIOSMS)

Biology (Biology and Society), PHD (LABIOSPHD)

Biology (Complex Adaptive Systems Science), PHD (LABIOCPHD)

Chemistry, MS (LACHEMMS)

Chemistry, PHD (LACHEMPHD)

Communication, PHD (LACOMMOPHD)

Creative Writing, MFA (LACWRITMFA)

East Asian Languages and Civilizations (Chinese), PHD (LAEALCPHD)

English, MA (LAENGLMA)

English (English Education), PHD (LAENEDPHD)

English (Literature), PHD (LAENLITPHD)

English (Rhetoric, Composition and Linguistics), PHD (LAENRHTPHD)

Environmental Life Sciences, PHD (LAELSPHD)

Environmental Social Science, PHD (LAESSPHD)

Environmental Social Science (Complex Adaptive Systems Science), PHD (LAESSCPHD)

Environmental Social Science (Urbanism), PHD (LAESSURPHD)

Evolutionary Biology, PHD (LAEVOPHD)

Exploration Systems Design, PHD (LAESDPHD)

Exploration Systems Design (Instrumentation), PHD (LAESDIPHD)

Exploration Systems Design (Sensor Networks), PHD (LAESDSNPHD)

Exploration Systems Design (Systems Engineering), PHD (LAESDSEPHD)

Family and Human Development, MS (LAFAMHDMS)
 Family and Human Development, PHD (LAFAMSCPHD)
 French (Comparative Literature), MA (LAFRECLMA)
 French (Linguistics), MA (LAFRELINMA)
 French (Literature), MA (LAFRELITMA)
 Gender Studies, PHD (LAGSTPHD)
 Gender Studies (certificate), Certificate (LAWSTGRCT)
 Geographic Education, MAS (LAGEOEDMAS)
 Geographic Information Science (certificate), Certificate (LAGEOGISCE)
 Geographic Information Systems, MAS (LAGISMAS)
 Geography, MA (LAGEOGMA)
 Geography, PHD (LAGEOGPHD)
 Geological Sciences, MS (LAGEOSCMS)
 Geological Sciences, PHD (LAGEOSCPHD)
 German, MA (LAGERMMA)
 Global Health, MA (LASSHMA)
 Global Health, PHD (LASSHPHD)
 Global Health (Complex Adaptive Systems Science), PHD (LASSHCPHD)
 Global Health (Culture and Health), PHD (LASSHCHPHD)
 Global Health (Evolutionary Global Health Sciences), PHD (LASSHEPHD)
 Global Health (Urbanism), PHD (LASSHURPHD)
 History, MA (LAHISTMA)
 History, PHD (LAHISTPHD)
 History and Philosophy of Science, PHD (LAHPSCIPHD)
 Human and Social Dimensions of Science and Technology, PHD (GCHSDSTPHD)
 Immigration Studies (certificate), Certificate (LAIMMSTUCE)
 Infant Family Practice, MAS (LACDEMAMAS)
 International Letters and Cultures, PHD (LAILCPHD)
 Justice Studies, MS (LAJUSSTMS)
 Justice Studies, PHD (LAJUSSTPHD)
 Liberal Studies, MLSt (LAMLSMLS)
 Liberal Studies (Film and Media Studies), MLSt (LAFMSMLS)
 Linguistics (certificate), Certificate (LALINGUICE)
 Literary Translation Studies (Certificate), Certificate (LALTSGRCT)
 Marriage and Family Therapy, MAS (LAMFTMAS)
 Mathematics, MA (LAMATHMA)
 Mathematics, PHD (LAMATHPHD)
 Mathematics Education, PHD (LAMTEPHD)
 Medieval Studies (certificate), Certificate (LAMEDSTCE)
 Microbiology, PHD (LAMICROPHD)
 Molecular and Cellular Biology, MS (LACELLMS)
 Molecular and Cellular Biology, PHD (LACELLPHD)
 Museum Studies, MA (LAMUSSTMA)
 Museum Studies (certificate), Certificate (LAMUSEUMCE)
 Nanoscience, PSM (LANANPSM)
 Natural Science (Geological Sciences), MNS (LANATSCIMN)
 Natural Science (Physics), MNS (LAPHYSMNS)
 Neuroscience, PHD (GCBMENPHD)
 Nonfiction Writing and Publishing (Certificate), Certificate (LANWPGRCT)
 Philosophy, MA (LAPHILMA)

Philosophy, PHD (LAPHILPHD)
 Philosophy (History and Philosophy of Science), MA (LAHPSMA)
 Philosophy (History and Philosophy of Science), PHD (LAHPSPHD)
 Physics, MS (LAPHYSIMS)
 Physics, PHD (LAPHYSIPHD)
 Political Science, MA (LAPOLSCMA)
 Political Science, PHD (LAPOLSCPHD)
 Psychology, PHD (LAPSYCHPHD)
 Psychology (Quantitative Research Methods), PHD (LAPSYQUPHD)
 Religious Studies, MA (LARELIGMA)
 Religious Studies, PHD (LARELIGPHD)
 Renaissance Studies (certificate), Certificate (LARENAISCE)
 Responsible Innovation in Science, Engineering and Society (certificate), Certificate (GCRSESGRCT)
 Scholarly Publishing (certificate), Certificate (LASCHPUBCE)
 Science and Technology Policy, MSTP (LAHSDPSM)
 Social and Cultural Pedagogy, MA (LASCPMA)
 Social Transformation Certificate, Certificate (LASOTGRCT)
 Socio-Economic Justice (certificate), Certificate (LAECJUGRCT)
 Sociology, MA (LASOCMA)
 Sociology, PHD (LASOCPHD)
 Spanish, MA (LASPANMA)
 Spanish, PHD (LASPANPHD)
 Statistics, MS (GCSTATMS)
 Statistics, PHD (LASTPPHD)
 Statistics (certificate), Certificate (GCSTATCE)
 Teaching English to Speakers of Other Languages, MTESOL (LAENGMTESL)
 Transborder Studies, MAS (LATCLMAS)
 Transportation Systems (certificate), Certificate (GCTRANSCE)
 Urban and Environmental Planning, MUEP (ARURBMUEP)
 Urban Planning, PHD (ARPUPPHD)
 Nursing & Health Innovation, College of
 Adv Nursing Practice (Women's Health NP), DNP (NUANPWHDNP)
 Advanced Nursing Practice, DNP (NUANPDNP)
 Advanced Nursing Practice (Adult Nurse Practitioner), DNP (NUANPADDNP)
 Advanced Nursing Practice (Adult Psychiatric Mental Health Nurse Practitioner), DNP (NUANPPMDNP)
 Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP (NUANPAGDNP)
 Advanced Nursing Practice (Family Nurse Practitioner), DNP (NUANPFNDNP)
 Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP (NUANPCFDNP)
 Advanced Nursing Practice (Geriatric Nurse Practitioner), DNP (NUGNPDNP)
 Advanced Nursing Practice (Innovation Leadership), DNP (NUANPILDNP)
 Advanced Nursing Practice (Neonatal Nurse Practitioner), DNP (NUANPNNDNP)
 Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP (NUANPPDNP)
 Child and Adolescent Mental Health Intervention (certificate), Certificate (NUCAMHICE)
 Clinical Research Management, MS (NUCRMMS)
 Clinical Research Management (certificate), Certificate (NUHCRGRCC)
 Clinical Research Management (Regulatory Science), MS (NUCRMRSMS)
 Community and Public Health Practice (certificate), Certificate (NUCHPGRCH)
 Evidence-Based Practice in Nursing and Healthcare (certificate), Certificate (NUEVIDNSCE)
 Family Nurse Practitioner (certificate), Certificate (NUFMPGRCE)
 Family Psychiatric and Mental Health Nurse Practitioner (certificate), Certificate (NUPMNUPRCE)

Geriatric Nursing (certificate), Certificate (NUGNCERT)
 Healthcare Innovation, MHI (NUHCINNMHI)
 International Health for Healthcare Professionals (certificate), Certificate (NUHCRGRCI)
 Nurse Education in Academic and Practice Settings (certificate), Certificate (NUNURSEDCE)
 Nursing (Community Health Advanced Practice Nursing), MS (NUCHNDTMS)
 Nursing (Nursing Education), MS (NUNURSEDMS)
 Nursing and Healthcare Innovation, PHD (NUNHIPHD)
 Regulatory Science and Health Safety, MS (NURSHSMS)

Public Programs, College of

Applied Ethics and the Professions (Leadership, Management, and Ethics), MA (LAAEPLMEMA)
 Assessment of Integrative Health Modalities (certificate), Certificate (PPSWGGRCH)
 Community Resources and Development, MS (PPRECDTMS)
 Community Resources and Development, PHD (PPCRDPHD)
 Community Resources and Development (Nonprofits & NGOs), MS (PPCRDNPMS)
 Community Resources and Development (Parks and Recreation Management), MS (PPCRDPRMS)
 Community Resources and Development (Sustainable Communities), MS (PPCRDSCMS)
 Community Resources and Development (Tourism), MS (PPCRDTMMS)
 Corrections Management (Certificate), Certificate (PPCMGGRCT)
 Criminal Justice, MA (PPCRIMJMA)
 Criminology and Criminal Justice, MS (PPCRJMS)
 Criminology and Criminal Justice, PHD (PPCRJPHD)
 Emergency Management and Homeland Security, MA (PPEMHSMA)
 Latino Cultural Competency in Social Work (certificate), Certificate (PPSWGGRCL)
 Law Enforcement Administration (Certificate), Certificate (PPLEAGRCT)
 Nonprofit Leadership and Management (certificate), Certificate (PPNONPROCE)
 Nonprofit Studies, MNPS (PPNPSMNS)
 Participatory Governance (certificate), Certificate (PPPGOGRCT)
 Policy Informatics (Certificate), Certificate (PPPOIGRCT)
 Program Evaluation, MS (PPPGEMS)
 Public Administration, MPA (PPPADTMPA)
 Public Administration (Certificate), Certificate (PPPUAGRCT)
 Public Administration (Emergency Management), MPA (PPPAFEMPA)
 Public Administration (Nonprofit Administration), MPA (PPNONPRMPA)
 Public Administration (Urban Management), MPA (PPPAFUMPA)
 Public Administration (Urbanism), PHD (PPPAURBPHD)
 Public Administration and Policy, PHD (PPPUBADPHD)
 Public Policy, MPP (PPPUBPMPP)
 Public Policy (Certificate), Certificate (PPPUPGRCT)
 Public Policy (Environmental Policy), MPP (PPPUPEMPMP)
 Public Policy (Policy Informatics), MPP (PPPUPPIMPP)
 Public Policy (Science and Technology Policy), MPP (PPPUPSTMPP)
 Public Safety Leadership and Administration, MPSLA (PPPSLAMPSL)
 Social Entrepreneurship and Community Development (certificate), Certificate (PPSECDGRCT)
 Social Work, MSW (PPSWDMSW)
 Social Work, PHD (PPSW2PHD)
 Social Work (Advanced Direct Practice), MSW (PPAPDTMSW)
 Social Work (Planning, Administration and Community Practice), MSW (PPCPDTMSW)
 Social Work - Advanced Standing, MSW (PPASWMSW)
 Sustainable Tourism, MAS (PPSUSTMAS)
 Sustainable Tourism (certificate), Certificate (PPSTGRCT)

Trauma and Bereavement (certificate), Certificate (HSCTBGRCT)

Sustainability, School of

Complex Adaptive Systems Science (certificate), Certificate (SUCASGRCT)

Executive Masters for Sustainability Leadership, EMSL (SUEMSLEMSL)

Global Sustainability Leadership (certificate), Certificate (SUSUSGGRCT)

Sustainability, MA (SUSUSTMA)

Sustainability, MS (SUSUSTMS)

Sustainability, PHD (SUSUSTPHD)

Sustainability (Complex Adaptive Systems Science), PHD (SUSUSTCPHD)

Sustainable Solutions, MSUS (SUSUSOMSUS)

Teachers College, Mary Lou Fulton

An Overview of Autism Spectrum Disorders (certificate), Certificate (EDSPEGRCA)

Applied Behavior Analysis (Certificate), Certificate (TEABAGRCT)

Curriculum and Instruction (Teaching and Learning), MEd (EDDCIMED)

Curriculum and Instruction (Accomplished Teaching), MA (EDACCTCMA)

Curriculum and Instruction (Applied Behavior Analysis), MEd (TEABAMED)

Curriculum and Instruction (Autism Spectrum Disorders), MEd (TEASDMED)

Curriculum and Instruction (Bilingual Education), MA (EDBILINMA)

Curriculum and Instruction (Early Childhood Education), MEd (TEECDMED)

Curriculum and Instruction (English as a Second Language), MA (EDESLEMA)

Curriculum and Instruction (Gifted Education), MEd (TEGEDMED)

Curriculum and Instruction (Literacy Education), MA (EDLANGMA)

Educational Leadership, MEd (EDSUPVMED)

Educational Leadership (Principalship), MEd (TEPRINMED)

Educational Leadership (Supervision), MEd (TESPRVIMED)

Educational Policy, MA (EDSPFMA)

Educational Policy and Evaluation, PHD (EDLDRSHPHD)

Educational Technology, MEd (EDTECHMED)

Educational Technology, PHD (EDTECHPHD)

Elementary Education, MEd (TEELEMED)

Elementary Education (Teacher Certification Accelerated), MEd (TEEEACLMED)

English as a Second Language (Certificate), Certificate (TEESLGRCT)

Gifted Education (Certificate), Certificate (TEGEDGRCT)

Higher and Postsecondary Education, MEd (EDPOSTMED)

Institutional Research and Policy Analysis (certificate), Certificate (EDINSRESCE)

Instructional Design and Performance Improvement (certificate), Certificate (EDEDTGRCT)

Leadership and Innovation, EdD (TELINEDD)

Leadership and Innovation (Policy and Administration), EdD (TEINNPAEDD)

Leadership and Innovation (Teaching), EdD (TEINNTEEDD)

Learning, Literacies and Technologies, PHD (EDCIPHD)

Online Teaching for Grades K-12 (certificate), Certificate (TEEDTGRCT)

Physical Education, MPE (ECPHYEDMPE)

Secondary Education (Educational Technology), MEd (TESEDTCMED)

Secondary Education (Teacher Certification), MEd (TESCERTMED)

Special Education (Teacher Certification), MEd (TESECRTMED)

Technology for Teaching and Learning (certificate), Certificate (EDEDTTGRCT)

Undergraduate Programs

Minors (Program Descriptions and Requirements)

African and African American Studies Minor (LAAFRMIN)

American Indian Studies Minor (LAAISMIN)

American Studies Minor (ASAMSMIN)
Anthropology Minor (LAASBMIN)
Applied Biological Sciences Minor (TSABSMIN)
Applied Psychology Minor (ECPSYMIN)
Arabic Studies Minor (LAARBMIN)
Architectural Studies Minor (ARSTDMIN)
Art History Minor (FAARTHMIN)
Asian Languages (Chinese) Minor (LACHIMIN)
Asian Languages (Japanese) Minor (LAJPNMIN)
Asian Pacific American Studies Minor (LAAPAMIN)
Astronomy Minor (LAASTMIN)
Astrophysics Minor (LAASTPHMIN)
Biochemistry Minor (LABCHMIN)
Biological Sciences Minor (LABIOMIN)
Business Minor (BABUSMIN)
Chemistry Minor (ASCHMMIN)
Chemistry Minor (LACHMMIN)
Communication Minor (HSCMNMIN)
Communication Minor (LACOMMIN)
Community Sports Management Minor (PPCSMMIN)
Computational Mathematical Sciences Minor (LACMSMIN)
Construction Management Minor (ESCMGMIN)
Criminology and Criminal Justice Minor (PPCRJMIN)
Dance Minor (FADANMIN)
Design Studies Minor (ARDSNMIN)
Digital Culture Minor (HIDGCMIN)
Early Childhood Education Minor (TEECEDMIN)
Economics Minor (LAECNMIN)
Educational Studies Minor (TEEDSTMIN)
Engineering Management Minor (ESENMMIN)
English Minor (ASENGMIN)
English Minor (LAENGMIN)
English Minor (LSENGMIN)
English (Linguistics) Minor (LAENGMINN)
English (Literature) Minor (LAENGMINN)
Ethnic Studies Minor (ASETHMIN)
Family and Human Development Minor (LAFASMIN)
Film and Media Production Minor (FAFMPPMIN)
Film and Media Studies Minor (LAFMSMIN)
Food and Nutrition Management Minor (ECFNTRMIN)
French Minor (LAFREMIN)
Geography Minor (LAGCUMIN)
Geological Sciences Minor (LAGLGMIN)
German Minor (LAGERMIN)
Global Health Minor (LASSHMIN)
Global Studies Minor (LASGSMIN)
History Minor (ASHISMIN)
History Minor (LAHISMIN)
History Minor (LSHISMIN)
Human Nutrition Minor (ECNTRMIN)

Interdisciplinary Organizational Studies Minor (ASIOSMIN)
Interior Design History Minor (ARINTMIN)
Italian Minor (LAITAMIN)
Justice Studies Minor (LAJUSMIN)
Landscape Studies Minor (ARLNDMIN)
Latin American Studies Minor (ASLASMIN)
Life Sciences Minor (ASLSCMIN)
Materials Science and Engineering Minor (ESMSEMIN)
Mathematics Minor (ASMATHMIN)
Mathematics Minor (LAMATMIN)
Media Analysis Minor (CSCMOMINA)
Military Leadership Minor (LAMISMIN)
Music Minor (FAMUSMIN)
Music Performance Minor (HIMUSPMIN)
Nonprofit Leadership and Management Minor (PPNLMMIN)
Nutrition and Healthy Living Minor (NUNHLMIN)
Organizational Leadership Minor (LSORGLMIN)
Parks and Protected Area Management Minor (PPPRMMINT)
Personal Health Minor (NHPHLMIN)
Philosophy Minor (ASPHIMIN)
Philosophy Minor (LAPHIMIN)
Physics Minor (LAPHYMIN)
Physics Minor (LSPHYMIN)
Political Science Minor (ASPOLMIN)
Political Science Minor (LAPOSMIN)
Psychology Minor (ASPGSMIN)
Psychology Minor (LAPGSMIN)
Public Relations and Strategic Communications Minor (HSPRSMIN)
Public Service and Public Policy Minor (PPPAFMIN)
Real Estate Minor (BAREAMIN)
Recreation Management Minor (PPRECMIN)
Religious Studies Minor (ASRELMIN)
Religious Studies Minor (LARELMIN)
Romanian Minor (LAROMMIN)
Russian Minor (LARUSMIN)
Science, Technology and Society Minor (ECSTSMIN)
Slavic Studies Minor (LASLVMIN)
Social Welfare Minor (LASSWMIN)
Social and Behavioral Sciences Minor (ASSBSMIN)
Sociocultural Anthropology Minor (ASASBMIN)
Sociology Minor (ASSOCMIN)
Sociology Minor (LASOCMIN)
Spanish Minor (ASSPAMIN)
Spanish Minor (LASPAMIN)
Spanish Minor (LSSPAMIN)
Special Events Management Minor (HSEVNMIN)
Speech and Hearing Science Minor (LASHSMIN)
Statistics Minor (LASTAMIN)
Studio Art Minor (HISTARTMIN)
Sustainability Minor (SUSUSMIN)

Sustainable Tourism Minor (PPTDMSMIN)
 Theatre Minor (FATHEMIN)
 Tourism Development and Management Minor (PPTDMMIN)
 Transborder Chicana/o and Latina/o Studies Minor (LATCLMIN)
 Urban Planning Minor (ARPUPMIN)
 Urban and Metropolitan Studies Minor (PPURBMIN)
 Wellness Foundations Minor (ECEXWMIN)
 Women and Gender Studies Minor (ASWSTMIN)
 Women and Gender Studies Minor (LAWSTMIN)
 Youth Services Leadership Minor (HSYSLMIN)

Undergraduate Programs

Undergraduate Certificates (Program Descriptions and Requirements)

Actuarial Science Certificate (LAACTCERT)
 African and African American Studies Certificate (LAAFRCERT)
 Applied Business Data Analytics Certificate (BABDACERT)
 Arabic Studies Certificate (LAARBCERT)
 Arts Entrepreneurship Certificate (HITHAECERT)
 Arts in Education Certificate (HIAEDCERT)
 Asian Pacific American Studies Certificate (LAAPACERT)
 Asian Studies Certificate (LAASNCERT)
 Brazilian Studies Certificate (LABZSCERT)
 Child Life Certificate (LACHLFCERT)
 Child Nutrition Certificate (ECNTRCERC)
 Civic Education Certificate (LACVECERT)
 Civil Communication Certificate (LACCOMCERT)
 Classical Studies Certificate (LACLGCERT)
 Computer Gaming Certificate (ESSCICERT)
 Convention Sales and Meeting Planning Certificate (PPTDMCERT)
 Creative City Certificate (PPURBCERC)
 Digital Culture Certificate (HIDGCCERT)
 East Asian Studies Certificate (LAEASCERT)
 Economic Justice Certificate (LAECNJCERT)
 Energy and Sustainability Certificate (SUESUCERT)
 Entertainment and Technology Certificate (LAFMSUERE)
 Environmental Humanities Certificate (LAENHCERT)
 Environmental Humanities Certificate (LSENHCERT)
 Ethics Certificate (LAETHCERT)
 Ethnic Studies Certificate (ASETHCERT)
 European Union Studies Certificate (LAEUSCERT)
 Family Communication Certificate (ASFAMCCERT)
 Film and Video Studies Certificate (ASVIDCERT)
 Games and Impact Certificate (TEGIMCERT)
 Geographic Information Science Certificate (LAGISCERT)
 Hazardous Materials and Waste Management Certificate (TSETMCERT)
 History and Philosophy of Science Certificate (LAHPSCERT)
 Homeland Security Certificate (PPHSLCERT)
 Honors Business Consulting Certificate (BAECNUERT)
 Human Rights Certificate (LAHRTSCERT)
 Informatics Certificate (ESCPICERT)
 International Business Certificate (BAIBSCERT)

International Studies Certificate (LAINSCERT)
 Islamic Studies Certificate (LAISLCERT)
 Jewish Studies Certificate (LAJUDCERT)
 Knowledge Entrepreneurship and Innovation Certificate (BAKEICERT)
 Korean Studies Certificate (LAKORCERT)
 Latin American Studies Certificate (LALASCERT)
 Leadership and Ethics Certificate (PPLDECERT)
 Leadership, Ethics and Service Certificate (PPLETSCERT)
 Lesbian, Gay, Bisexual and Transgender Certificate (PPLGBTCERT)
 Medieval and Renaissance Studies Certificate (LAMRSCERT)
 Nonprofit Professional Certificate (PPNPYCERT)
 Oral History Certificate (ASOHCCERT)
 Philosophy, Rhetoric and Literature Certificate (ASPRLCERT)
 Political Entrepreneurship through Internships: Local to Global Certificate (LAPEICERT)
 Political Thought and Leadership Certificate (LAPTLCERT)
 Professional Sales Certificate (BAPRSCERT)
 Public Administration and Public Management Certificate (PPPAFCERT)
 Religion and Conflict Certificate (LARELCERT)
 Russian and East European Studies Certificate (LAREECERT)
 Sales and Marketing Essentials Certificate (BASMECERT)
 Secondary Education Certificate (TESEDCERT)
 Security Studies Certificate (PPSCSCERT)
 Small Business and Entrepreneurship Certificate (BASMBCERT)
 Social Transformation Certificate (LASOTCERT)
 Socially Engaged Practice in Design and the Arts Certificate (HISEPCERT)
 Socio-Legal Studies Certificate (LASLSTCERT)
 Southeast Asian Studies Certificate (LASALCERT)
 Spanish for the Professions Certificate (LSSPPRFCER)
 Special Events Management Certificate (HSRTMUERT)
 Speech-Language Pathology Assistant Certificate (LASLPACERT)
 Sports Business Certificate (BASPBCERT)
 Symbolic Systems Certificate (LAPHICERT)
 Teaching English to Speakers of Other Languages (TESOL) Certificate (LATESLCERT)
 Technical Communication Certificate (LSTECCERT)
 Technology Entrepreneurship Certificate (ESTNECERT)
 Translation Certificate (LASPACERT)
 Women and Gender Studies Certificate (ASWSTCERT)
 Women and Gender Studies Certificate (LAWSTCERT)
 Writing (Liberal Arts and Sciences) Certificate (LAENGCERT)
 Writing (New College) Certificate (ASWRTCERT)

Undergraduate Programs

Undergraduate Degrees (Program Descriptions)

Business, W. P. Carey School of

Accountancy, BS (BAACCBS)
 Agribusiness (Global Agribusiness), BS (AGAGBGABS)
 Business, BA (BABUSBA)
 Business (Communication), BA (BABUSCBA)
 Business (Food Industry Management), BA (BABUSFIMBA)
 Business (Global Agribusiness), BA (BABUSGAGBA)
 Business (Global Leadership), BA (BABUSGBA)

Business (Global Logistics Management), BA (BABUSGLBA)
 Business (Global Politics), BA (BABUSGPBA)
 Business (Human Resources), BA (BABUSHRBA)
 Business (Law), BA (BABUSLBA)
 Business (Public Service and Public Policy), BA (BABUSPBA)
 Business (Sports and Media Studies), BA (BABUSMSBA)
 Business (Statistics), BA (BABUSTABA)
 Business (Sustainability), BA (BABUSSBA)
 Business (Technology), BA (BABUSTCBA)
 Business (Tourism), BA (BABUSTBA)
 Business (Urban Policy), BA (BABUSUBA)
 Business Data Analytics, BS (BABDABS)
 Business Entrepreneurship, BS (BABUENTBS)
 Business Exploratory, (BABUSEXP)
 Computer Information Systems, BS (BACISBS)
 Economics, BS (BAECNBS)
 Finance, BS (BAFINBS)
 Food Industry Management, BS (BAFIMBS)
 Management, BS (BAMGTBS)
 Marketing, BS (BAMKTBS)
 Marketing (Digital and Integrated Marketing Communications), BS (BAMKDIMCBS)
 Marketing (Professional Sales), BS (BAMKTPSBS)
 Supply Chain Management, BS (BASCMBBS)
 Design & the Arts, Herberger Institute for
 Architectural Studies, BSD (ARSTDBSD)
 Art (Art Education), BFA (FAARTEBFA)
 Art (Art History), BA (FAARTHBA)
 Art (Art Studies), BA (FAARTSTDBA)
 Art (Ceramics), BFA (FAARTCBFA)
 Art (Drawing), BFA (FAARTDBFA)
 Art (Fibers), BFA (FAARTFBFA)
 Art (Intermedia), BFA (FAARTIBFA)
 Art (Metals), BFA (FAARTMBFA)
 Art (Museum Studies), BA (FAARTMSBA)
 Art (Painting), BFA (FAARTPABFA)
 Art (Photography), BFA (FAARTPHBFA)
 Art (Printmaking), BFA (FAARTPMBFA)
 Art (Sculpture), BFA (FAARTSBFA)
 Arts (BA in the Arts), BA (FAATSBA)
 Dance, BFA (FADANBFA)
 Dance (Dance Education), BFA (FADANEBFA)
 Design Studies, BA (ARDSNBA)
 Design Studies (Design Management), BA (ARDSNMBA)
 Digital Culture (Art), BA (HIDGCABA)
 Digital Culture (Arts and Design Studies), BA (HIDCADSBA)
 Digital Culture (Design), BA (HIDGCDBA)
 Digital Culture (Film), BA (HIDGCFBA)
 Digital Culture (Interdisciplinary Arts and Performance), BA (HIDCIAPBA)
 Digital Culture (Media Processing), BA (HIDGCMPPBA)
 Digital Culture (Music), BA (HIDGCMBA)

Digital Culture (Technological Entrepreneurship), BA (HIDGCTEBA)
 Digital Culture (Theatre), BA (HIDGCTBA)
 Environmental Design, BS (HIEDSBS)
 Film (Film and Media Production), BA (FAFLMBA)
 Film (Filmmaking Practices), BA (FAFPRBA)
 Graphic Design, BSD (ARGRABSD)
 Industrial Design, BSD (ARINDBSD)
 Interior Design, BSD (ARINTBSD)
 Landscape Architecture, BSLA (ARPLABSLA)
 Music, BA (FAMUSBA)
 Music Education, BMUS (FAMUSEBM)
 Music Therapy, BMUS (FAMUSTHBM)
 Performance (Collaborative Piano), BMUS (FAMUSPPBM)
 Performance (Guitar), BMUS (FAMUSPGBM)
 Performance (Jazz), BMUS (FAMUSPJBM)
 Performance (Keyboard), BMUS (FAMUSPKBM)
 Performance (Music Theatre), BMUS (FAMUSPMBM)
 Performance (Orchestral Instrument), BMUS (FAMUSPOBM)
 Performance (Voice), BMUS (FAMUSPVBM)
 Performance and Movement, BA (HIPERMVBA)
 Theatre, BA (FATHEBA)
 Theatre (Acting), BA (FATHEABA)
 Theatre (Design and Production), BA (FADSNPRBA)
 Theory and Composition (Composition), BMUS (FAMUSTCBM)
 Theory and Composition (Theory), BMUS (FAMUSTTBM)

Engineering, Ira A. Fulton Schools of

Aeronautical Management Technology (Air Transportation Management), BS (TSAMTMBS)
 Aeronautical Management Technology (Professional Flight), BS (TSAMTFBS)
 Aeronautical Management Technology (Unmanned Aerial Systems), BS (TSAMTUASBS)
 Aerospace Engineering (Aeronautics), BSE (ESAEROBSE)
 Aerospace Engineering (Astronautics), BSE (ESAEASBSE)
 Aerospace Engineering (Autonomous Vehicle Systems), BSE (ESAEAVSBSE)
 Air Traffic Management, BS (TSATMBS)
 Applied Computer Science, BS (TSAC SBS)
 Applied Science, BAS (TSAPSBAS)
 Applied Science (Aviation Management Technology), BAS (TSAMTABAS)
 Applied Science (Electronic Energy Systems), BAS (TSEESBAS)
 Applied Science (Graphic Information Technology), BAS (TSGITBAS)
 Applied Science (Internet and Web Development), BAS (TSIWDBAS)
 Applied Science (Manufacturing Technology and Management), BAS (TSMETFBAS)
 Applied Science (Operations Management), BAS (TSIMCOBAS)
 Applied Science (Software and Computing Systems), BAS (TSCSTBAS)
 Biomedical Engineering, BSE (ESBMEBSE)
 Chemical Engineering, BSE (ESCHEBSE)
 Civil Engineering, BSE (ESCEEBSE)
 Civil Engineering (Environmental Engineering), BSE (ESCEEEBSE)
 Civil Engineering (Sustainable Engineering), BSE (ESCEESUBSE)
 Computer Science, BS (ESCSEBS)
 Computer Science (Information Assurance), BS (ESCSEIBS)
 Computer Science (Software Engineering), BS (ESCSESBS)

Computer Systems (Computer Hardware Technology), BS (TSCSTHBS)
 Computer Systems (Embedded Systems Technology), BS (TSCSTMBS)
 Computer Systems Engineering, BSE (ESCSEBSE)
 Computer Systems Engineering (Information Assurance), BSE (ESCSEIBSE)
 Construction Engineering, BSE (ESCONBSE)
 Construction Management, BS (ESCONMGTBS)
 Construction Management (Concrete Industry Management), BS (ESCONIMBS)
 Electrical Engineering, BSE (ESEEEBSE)
 Electrical Engineering (Electric Power and Energy Systems), BSE (ESEEEPBSE)
 Electronics Engineering Technology (Alternative Energy Technologies), BS (TSEETABS)
 Electronics Engineering Technology (Electronic Systems), BS (TSEETEBS)
 Electronics Engineering Technology (Integrated Electronic Systems), BS (TSEETINBS)
 Engineering, BSE (TSEGRBSE)
 Engineering (Automotive Systems), BSE (TSEGRASBSE)
 Engineering (Electrical Systems), BSE (TSEGRESBSE)
 Engineering (Humanitarian Engineering), BSE (TSEGRHEBSE)
 Engineering (Mechanical Engineering Systems), BSE (TSEGRMEBSE)
 Engineering (Robotics), BSE (TSEGRRBSE)
 Engineering Management, BSE (ESEMGBSE)
 Environmental and Resource Management, BS (TSETMBS)
 Graphic Information Technology, BS (TSGITBS)
 Graphic Information Technology (Gaming), BS (TSGITGBS)
 Industrial Engineering, BSE (ESIEEBSE)
 Industrial and Organizational Psychology, BS (ECPSYBS)
 Informatics, BS (ESCPIBS)
 Information Technology, BS (TSIFTBS)
 Manufacturing Engineering, BS (TSMEGRBS)
 Manufacturing Engineering Technology (Mechanical), BS (TSMETMBS)
 Materials Science and Engineering, BSE (ESMSEBSE)
 Mechanical Engineering, BSE (ESMAEMBSE)
 Mechanical Engineering (Computational Mechanics), BSE (ESMAECBSE)
 Mechanical Engineering (Energy and Environment), BSE (ESMAEEBSE)
 Mechanical Engineering Technology, BS (TSMECBS)
 Mechanical Engineering Technology (Aeronautical Engineering Technology), BS (TSMECEBS)
 Mechanical Engineering Technology (Automation Engineering Technology), BS (TSMECUBS)
 Mechanical Engineering Technology (Automotive), BS (TSMECTBS)
 Pre-Engineering, (TSEGRPRE)
 Product Development and Manufacturing Technology, BS (TSMETBS)
 Software Engineering, BS (TSSERBS)
 Technological Entrepreneurship and Management, BS (TSTEMBS)

Health Solutions, College of

Applied Science (Food Service Management), BAS (ECNTRBAS)
 Applied Science (Health Sciences), BAS (NUHSCBAS)
 Applied Science (Medical Laboratory Science), BAS (NUMLSBAS)
 Biomedical Informatics, BS (ESBMIBS)
 Exercise and Wellness (Exercise and Wellness), BS (ECEXWBS)
 Exercise and Wellness (Health Promotion), BS (ECEXWHBS)
 Health Education and Health Promotion, BS (NHHEHPBS)
 Health Sciences (Health Policy), BS (NUHSCHPBS)
 Health Sciences (Healthy Lifestyles Coaching), BS (NUHSCHLCBS)

Health Sciences (Pre-professional), BS (NUHSCPREBS)
 Health Systems Management, BS (TSHSYMBS)
 Kinesiology, BS (NUKINBS)
 Medical Studies, BS (NHMEDBS)
 Nutrition (Dietetics), BS (ECNTRDBS)
 Nutrition (Food and Nutrition Management), BS (ECNTRMBS)
 Nutrition (Food and Tourism Management), BS (ECNTFTMBS)
 Nutrition (Human Nutrition), BS (ECNTRHBS)
 Nutrition (Nutrition Communication), BS (ECNTRCBS)
 Public Health, BS (NHPBHBS)
 Science of Health Care Delivery, BS (NHHCDBS)
 Speech and Hearing Science, BS (LASHSBS)
 Honors - Barrett, The Honors College
 Honors College, (9HOHONALL)
 Interdisciplinary Arts & Sciences, New College of
 American Studies, BA (ASAMSBA)
 Applied Computing, BS (ASACOBBS)
 Applied Mathematics, BS (ASMATBS)
 Applied Science, BAS (ASBASBAS)
 Communication, BA (ASCOMMBA)
 Communication, BS (ASCOMMBS)
 English, BA (ASENGBA)
 English (Secondary Education), BA (ASENGSEBA)
 Ethnicity, Race and First Nations Studies, BA (ASETHBA)
 Forensics, BS (ASFOREBS)
 History, BA (ASHISBA)
 History (Secondary Education), BA (ASHISSEBA)
 Interdisciplinary Arts and Performance, BA (ASIAPBA)
 Interdisciplinary Arts and Sciences, BA (ASIASBA)
 Latin American Studies, BA (ASLASBA)
 Life Sciences, BA (ASLSCBA)
 Life Sciences, BS (ASLSCBS)
 Life Sciences (Environmental Science), BS (ASLSCEBS)
 Life Sciences (Forensics), BS (ASLSCFBS)
 Life Sciences (Secondary Education), BA (ASLSCSBA)
 Philosophy, Religion and Society, BA (ASRELBA)
 Political Science, BA (ASPOLBA)
 Political Science, BS (ASPOLBS)
 Psychology, BA (ASPGSBA)
 Psychology, BS (ASPGSBS)
 Social and Behavioral Sciences, BA (ASSBSBA)
 Social and Behavioral Sciences, BS (ASSBSBS)
 Sociology, BA (ASSOCBA)
 Sociology, BS (ASSOCBS)
 Spanish, BA (ASSPABA)
 Statistics, BS (ASSTABS)
 Women and Gender Studies, BA (ASWSTBA)
 Women and Gender Studies, BS (ASWSTBS)
 Journalism & Mass Communication, Walter Cronkite School of
 Journalism and Mass Communication, BA (CSJMCBA)

Mass Communication and Media Studies, BA (CSMCMSTBA)

Letters & Sciences, School of

Agribusiness (Preveterinary Medicine), BS (AGAGBPBS)

Applied Biological Sciences (Applied Biological Sciences), BS (TSABSABS)

Applied Biological Sciences (Applied Ecology and Preveterinary Medicine), BS (TSABSRBS)

Applied Biological Sciences (Secondary Education in Biology), BS (TSABSSBS)

Applied Biological Sciences (Sustainable Horticulture), BS (TSABSUBS)

Applied Science (Technical Communication), BAS (LSTECBAS)

Communication, BA (LSCOMBA)

English, BA (LSENGBA)

Exploratory Health and Life Sciences, (UCHSCIEXPL)

Exploratory Humanities, Fine Arts and Design, (UCHUFAEXPL)

Exploratory Math, Physical Sciences, Engineering and Technology, (UCEMTPEXPL)

Exploratory Social and Behavioral Sciences, (UCSBSEXPL)

General Studies, BGS (LSGNSBGS)

History, BA (LSHISBA)

Interdisciplinary Studies, BIS (LSBISBIS)

Interdisciplinary Studies (Organizational Studies), BIS (LSORGBIS)

Liberal Studies, BLS (LABLSBLS)

Organizational Leadership, BA (LSORGLBA)

Science, Technology and Society, BS (ECSTSBS)

Technical Communication, BS (LSTECBS)

Liberal Arts & Sciences, College of

Actuarial Science, BS (LAACTBS)

African and African American Studies, BA (LAAFRBA)

American Indian Studies, BS (LAAISBS)

Anthropology, BA (LAASBBA)

Anthropology, BS (LAASBBS)

Applied Mathematics for Life and Social Sciences, BS (LAAMLBS)

Asia Studies (East Asia), BA (LAHSTEABA)

Asia Studies (South Asia), BA (LAHSTSABA)

Asia Studies (Southeast Asia), BA (LAHSTSEABA)

Asian Languages (Chinese), BA (LACHIBA)

Asian Languages (Japanese), BA (LAJPNBA)

Asian Pacific American Studies, BA (LAAPABA)

Biochemistry, BA (LABCHBA)

Biochemistry, BS (LABCHBS)

Biochemistry (Medicinal Chemistry), BS (LABCHMBS)

Biological Sciences, BS (LABSCBS)

Biological Sciences (Animal Physiology and Behavior), BS (LABSCABS)

Biological Sciences (Biology and Society), BS (LABSCSBS)

Biological Sciences (Conservation Biology and Ecology), BS (LABSCCBS)

Biological Sciences (Genetics, Cell and Developmental Biology), BS (LABSCGBS)

Biophysics, BS (LABIPHBS)

Chemistry, BA (LACHMBA)

Chemistry, BS (LACHMBS)

Chemistry (Environmental Chemistry), BS (LACHMEBS)

Communication, BA (LACOMBA)

Communication, BS (LACOMBS)

Computational Mathematical Sciences, BS (LACMSBS)

Earth and Environmental Studies, BA (LAEESBA)
 Earth and Space Exploration, BS (LASESBS)
 Earth and Space Exploration (Astrobiology and Biogeosciences), BS (LASESABBS)
 Earth and Space Exploration (Astrophysics), BS (LASESABS)
 Earth and Space Exploration (Exploration Systems Design), BS (LASESESDBS)
 Earth and Space Exploration (Geological Sciences), BS (LASESGSBS)
 Economics, BS (LAECNBS)
 English, BA (LAENGBA)
 English (Creative Writing), BA (LAENGCBBA)
 English (Linguistics), BA (LAENGNBA)
 English (Literature), BA (LAENGTBA)
 English (Secondary Education), BA (LAENGSEBA)
 Family and Human Development, BS (LAFASBS)
 Film (Film and Media Studies), BA (LAFMSBA)
 French, BA (LAFREBA)
 Geographic Information Science, BS (LAGISBS)
 Geography, BA (LAGCUBA)
 Geography, BS (LAGCUBS)
 Geography (Meteorology-Climatology), BS (LAGCUMBS)
 Geography (Urban Studies), BS (LAGCUUBS)
 German, BA (LAGERBA)
 Global Health, BA (LASSHBA)
 Global Studies, BA (LASGSBA)
 History, BA (LAHISBA)
 History (Secondary Education), BA (LAHISSEBA)
 Integrated Studies, BA (LAISTBA)
 Integrated Studies, BS (LAISTBS)
 International Letters and Cultures, BA (LASLCBA)
 International Letters and Cultures (Classical Civilization), BA (LASLCVBA)
 International Letters and Cultures (Classics), BA (LASLCCBA)
 Italian, BA (LAITABA)
 Jewish Studies, BA (LAJSTBA)
 Justice Studies, BA (LAJUSBA)
 Justice Studies, BS (LAJUSBS)
 Mathematics, BA (LAMATBA)
 Mathematics, BS (LAMATBS)
 Mathematics (Secondary Education), BS (LAMATSBS)
 Mathematics (Statistics), BS (LAMATTBS)
 Microbiology, BS (LAMICBS)
 Molecular Biosciences and Biotechnology, BS (LAMBBBS)
 Philosophy, BA (LAPHIBA)
 Philosophy (Morality, Politics and Law), BA (LAPHIMPBA)
 Physics, BA (LAPHYBA)
 Physics, BS (LAPHYBS)
 Physics (Secondary Education), BS (LAPHYSEBS)
 Political Science, BA (LAPOSBA)
 Political Science, BS (LAPOSBS)
 Psychology, BA (LAPGSBA)
 Psychology, BS (LAPGSBS)
 Psychology (Psychological Science), BS (LAPGSPSBS)

Religious Studies, BA (LARELBA)
 Russian, BA (LARUSBA)
 Sociology, BS (LASOCBS)
 Spanish, BA (LASPABA)
 Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA (LATCLMBA)
 Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA (LATCLTBA)
 Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA (LATCLUBA)
 Urban Planning, BSP (ARPUPBSP)
 Women and Gender Studies, BA (LAWSTBA)
 Nursing & Health Innovation, College of
 Nursing, BSN (NUNURDBSN)
 Pre-Nursing, (NUNURPRE)
 Public Programs, College of
 Applied Science (Emergency Management), BAS (PPEMGBAS)
 Community Sports Management, BS (PPCSMBS)
 Criminal Justice and Criminology, BS (PPCRIMJBS)
 Nonprofit Leadership and Management, BS (PPNLMBS)
 Parks and Recreation Management, BS (PPPRMBS)
 Parks and Recreation Management (Therapeutic Recreation), BS (PPPRMTRBS)
 Public Service and Public Policy, BS (PPPAFBS)
 Public Service and Public Policy (American Indian Studies), BS (PPPAFAISBS)
 Public Service and Public Policy (Business), BS (PPPAFBUBS)
 Public Service and Public Policy (Criminology), BS (PPPAFCBS)
 Public Service and Public Policy (Emergency Management and Homeland Security), BS (PPPAFEHBS)
 Public Service and Public Policy (Health Policy), BS (PPPAFHPBS)
 Public Service and Public Policy (Law and Policy), BS (PPPAFLPBS)
 Public Service and Public Policy (Nonprofit Leadership and Management), BS (PPPANLMBS)
 Public Service and Public Policy (Parks and Recreation Management), BS (PPPAPRMBS)
 Public Service and Public Policy (Science and Technology Policy), BS (PPPAFSTBS)
 Public Service and Public Policy (Social Services Delivery), BS (PPPAFSSBS)
 Public Service and Public Policy (Sustainability), BS (PPPAFSBS)
 Social Work, BSW (PPSWUSWU)
 Tourism Development and Management, BS (PPTDMBS)
 Tourism Development and Management (Resort and Hotel Leadership), BS (PPTDMRBS)
 Tourism Development and Management (Sustainable Tourism), BS (PPTDMSBS)
 Urban and Metropolitan Studies, BA (PPURBBA)
 Urban and Metropolitan Studies, BS (PPURBBS)
 Sustainability, School of
 Sustainability, BA (SUSUSTBA)
 Sustainability, BS (SUSUSTBS)
 Teachers College, Mary Lou Fulton
 Early Childhood and Early Childhood Special Education, BAE (TEECSEBAE)
 Education Exploratory, (TEEDUEXPL)
 Educational Studies, BAE (EDSLSTBAE)
 Elementary Education, BAE (TEEEDBAE)
 Elementary Education (Bilingual Education and English as a Second Language), BAE (TEDLLBAE)
 Elementary Education (Science, Technology, Engineering and Mathematics), BAE (TEESTEMBAE)
 Secondary Education (Biological Sciences), BAE (TEBIOBAE)
 Secondary Education (Business), BAE (EDBUSBAE)

Secondary Education (Chemistry), BAE (TECHMBAE)
Secondary Education (EAC), BAE (TESEDBAE)
Secondary Education (Earth and Space Sciences), BAE (EDESSBAE)
Secondary Education (Economics), BAE (EDECNBAE)
Secondary Education (English), BAE (TEENGBAE)
Secondary Education (French), BAE (EDFREBAE)
Secondary Education (Geography), BAE (EDGCUBAE)
Secondary Education (German), BAE (EDGERBAE)
Secondary Education (History), BAE (TEHISBAE)
Secondary Education (Japanese), BAE (EDJPNBAE)
Secondary Education (Mathematics), BAE (TEMATBAE)
Secondary Education (Physical Education), BAE (ECPPEBAE)
Secondary Education (Physics), BAE (EDPHYBAE)
Secondary Education (Political Science), BAE (TEPOLBAE)
Secondary Education (Spanish), BAE (TESPABAE)
Special Education and Elementary Education, BAE (TESPEBAE)

Graduate Programs

Graduate Degrees and Certificates (Program Descriptions and Requirements)

Business, W. P. Carey School of

Accountancy, MAcc (BAACCMACC)

Online Degree Search Title: Accountancy (MACC)

Campus: TEMPE

Program Description:

The MAcc program is structured to provide students with an in-depth working knowledge of advanced accounting topics that are most relevant in today's business environment. Students are prepared for a wide range of professional careers in accounting. The program aids significantly in preparation for the certified public accountant examination and also offers an emphasis in information systems.

Classes begin in both the fall (August) and Spring (January) semesters and offered on the Tempe campus. The nine month master's in accountancy is designed for individuals who want to immerse themselves in full-time graduate studies and take classes during the day.

Degree Requirements: 30 credit hours including the required capstone course (ACC 588).

The master's is a cohort-based, full-time program requiring a bachelor's degree in accountancy and is completed in one academic year, either August through May or January through December. Applicants must complete program prerequisites prior to admission to the program. Refer to the master's website for a current list of required course prerequisites. Graduate-level accounting courses are only open to students admitted to the graduate program.

Concurrent Degrees:

This degree is also offered as concurrent degree with:

Legal Studies (MLS)

W. P. Carey MBA - Full-Time Program

Accelerated Degrees:

This degree is also offered as an accelerated degree with Accountancy, BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

All applicants are required to submit the ASU Graduate Education online application and the supplemental application materials required by the W. P. Carey Graduate Programs Office.

Minimum requirements for admission to the master's program are:

- official transcripts of all course work completed at institutions other than ASU
- GMAT test scores
- one letter of recommendation that comments on students motivation, commitment, achievements, work experience and opportunity for success in the program
- current resume
- essays
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Complete application instructions may be obtained from the department's website.

Students must fulfill both the requirements of Graduate Education and those of the W. P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs

<http://wpcarey.asu.edu/masters-programs>
MCRD 350
wpcareymasters@asu.edu
480-965-3332

Agribusiness, MS (AGAGRIBMS)

Online Degree Search Title: Environmental and Resource Management (MS)

Campus: POLY

Program Description:

The Morrison School of Agribusiness and Resource Management at the Polytechnic campus offers the MS in environmental and resource management. This degree is designed to prepare students from a variety of backgrounds with a set of critical and analytical business skills, while recognizing the unique demands of the agribusiness and resource management sectors. Graduates are well prepared for successful administrative or managerial careers with either government or private-sector organizations in either field.

Students are able to select either a research-oriented program, which leads to the completion of a supervised thesis, or a program consisting of course work only (nonthesis option). The nonthesis option allows students to develop an area of specialization and apply these skills to a real-world environmental and resource management problem through an integrative, capstone course experience. Both the thesis and nonthesis options require the completion of a common set of core courses.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required capstone course (AGB 589).

Core requirements for this program include 18 credit hours of course work. Thesis students fulfill the remaining 12 credit hours by taking three research credits, six thesis credits and three hours of electives. Nonthesis students fulfill the remaining hours by taking 12 hours of electives.

It is suggested that students take a coherent sequence of courses such as those indicated below, but considerable flexibility is possible based on individual backgrounds and interests.

Thesis and Nonthesis MS in Agribusiness

Semester I

AGB 528 Advanced Agribusiness Marketing (3)

AGB 561 Applied Econometrics (3)

Semester II

AGB 511 Advanced Agribusiness Management (3)

AGB 532 Advanced Agribusiness Finance (3)

AGB 570 Managerial Economics for Agribusiness (3)

Semester III

500-level AGB emphasis electives (6)

AGB 589 Agribusiness Capstone (3)

Semester IV

500-level AGB emphasis or other electives (9)

Thesis Option

AGB 592 Research (3)

AGB 599 Thesis (6)

Admission Requirements:

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered until complete.

- an online Graduate Education application
- official transcript from each college or university attended
- official GRE general exam, Miller Analogies Test or GMAT scores
- statement of purpose*
- current curriculum vitae
- proof of English language proficiency**
- three letters of recommendation (optional)

*Note: An explanation of the applicant's basic skills in economics, accounting, statistics, computer use and some experience or knowledge in an area related to agribusiness should be addressed in the statement of purpose.

****Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. Complete information on the English proficiency exams and other required documents can be found on the Graduate Education website:**
<http://graduate.asu.edu/admissions/international> (<http://graduate.asu.edu/admissions/international>).

For best consideration, the deadline is Feb. 1 for fall applications; Oct. 1 for spring applications. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

The Morrison School of Agribusiness and Resource Management awards assistantships to selected candidates. These support ongoing research and teaching activities. The awards are made on the basis of availability and according to the needs of the faculty and interests of the students. Scholarships are also available on a competitive basis for qualified candidates.

Contact Information:

Business, W. P. Carey School of
Morrison School of Agribusiness
<http://wpcarey.asu.edu/masters-programs>
MCRD 350
wpcareymasters@asu.edu
480-965-3332

Business Administration (Accountancy), PHD (BAACCTPHD)

Online Degree Search Title: Accountancy (PhD)

Campus: TEMPE

Program Description:

The objective of the PhD in business administration with a concentration in accountancy is to prepare scholars to conduct high-quality research and to teach in the fields of:

- auditing
- financial accounting
- managerial accounting
- taxation

This program allows students to develop the capability to review, analyze, conduct and publish research through a series of research seminars, theory-building and statistical course work that supplement and complement students' abilities and desires. In addition, doctoral students participate in ongoing research projects in conjunction with faculty members in the School of Accountancy.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Plan of Study

This program consists of 12 hours of dissertation and 72 hours of course work and research. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Students work with their study committees to determine an appropriate plan of study. Common areas of functional specialization among doctoral studies include financial and managerial accounting, auditing and taxation. With these functional areas, doctoral studies may emphasize experimental or archival research methods. All accountancy doctoral students are required to take a three-semester sequence of accountancy doctoral course work. A maximum of 12 approved graduate credit hours can be transferred to satisfy program requirements.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the vice provost for Graduate Education upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled in at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including a summer session) in which the student defends the dissertation.

Note: For detailed information regarding the university's doctoral degree requirements, please refer to the Graduate Education Doctor of Philosophy policy and procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a 10-year period. The 10-year period starts with the initial enrollment into the doctoral program. In addition, the student must take the final oral examination in defense of the dissertation within five years after passing the comprehensive examinations. Any exception must be approved by the supervisory committee and the vice provost for Graduate Education and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements:

All applicants must submit the Graduate Education online application and complete English proficiency requirements.

Applications are initially reviewed by a School of Accountancy doctoral committee using a portfolio approach. In addition to GMAT scores and prior academic performance, letters of recommendation and a personal statement are reviewed to ensure a good "fit" between students' goals and the school. Recommendations for action are then made to the director of doctoral programs in the W. P. Carey School of Business, who in turn make recommendations to Graduate Education.

Graduate Education admits or denies each applicant and notifies them in writing.

Contact Information:

Business, W. P. Carey School of
Business Administration
<http://wpcarey.asu.edu/accounting-degrees>
BA 223Q
wpcareyacc@asu.edu
480-965-3631

Business Administration (Agribusiness), PHD (BAAGRIPHD)

Online Degree Search Title: Agribusiness (PhD)

Campus: POLY

Program Description:

The objective of the PhD in business administration with a concentration in agribusiness is to produce scholars who are trained in the latest methods of business and economic analysis and who can apply these methods to critical research problems faced by firms in the agribusiness industry. With this background, graduates with a concentration in agribusiness are qualified to assume teaching and research positions at top-ranked research universities.

Agribusiness doctoral students are involved with research in the following:

- consumer behavior in food markets
- derivatives, commodity trading and risk management
- food and fiber supply chain management
- international agricultural trade and policy
- strategic marketing by food retailers

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Plan of Study

At least 30 hours (which may include research credit) of the approved doctoral program and 12 dissertation hours must be completed after admission to the student's doctoral program. Students may not apply credit hours earned for a doctorate previously awarded at ASU or another institution toward their current ASU doctorate. However, at the individual academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's toward their doctoral plan of study.

Agribusiness doctoral students are expected to develop a program of study that consists of three elements:

- a core of theory and quantitative methods course work in economics and management from the Morrison School of Agribusiness and Resource Management
- advanced courses in at least one of these areas from the W. P. Carey School of Business: economics, finance, marketing, supply chain management or management
- a three-course sequence of doctorate-level theory and methods from the Morrison School of Agribusiness and Resource Management as applied to issues and concepts specific to the agribusiness sector

The agribusiness doctorate is designed to allow flexibility with focus, so each student's program of study is unique, but is designed to produce the highest level of research competency in the student's chosen area of interest.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved program of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examination consists of a minimum of a written exam; at the discretion of the academic unit, an oral exam may also be required.

Candidacy

Doctoral students are notified of achieving candidacy status in a letter from the vice provost for Graduate Education upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled in at least one credit hour that appears on the program of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

Note: For detailed information regarding the university's doctoral degree requirements, please refer to the Graduate Education Policies and Procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a 10-year period. The 10-year period starts with the initial enrollment into the doctoral program. In addition, the student must take the final oral examination in defense of the dissertation within five years after passing the comprehensive examinations. Any exception must be approved by the supervisory committee and the vice provost for Graduate Education and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements:

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered until complete.

- an online Graduate Education application
- official transcript from each college or university attended
- official GRE general exam or GMAT scores
- personal statement*
- current curriculum vitae
- three letters of recommendation
- proof of English language proficiency**

*Note: An explanation of the applicant's goals should be addressed in the statement.

**Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. Complete information on the English proficiency exams and other required documents can be found on Graduate Education's website: <http://graduate.asu.edu/international> (<http://graduate.asu.edu/international>).

For best consideration, the deadline is Feb. 1 for fall applications. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

Students must fulfill requirements of both Graduate Education and the W. P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of
Business Administration
<http://wpcarey.asu.edu/agribusiness-degrees/doctoral>
SANTN 230
wpcarey.morrison@asu.edu
480-727-1586

Business Administration (Computer and Information Systems), PHD (BAINFSYPHD)

Online Degree Search Title: Computer Information Systems (PhD)

Campus: TEMPE

Program Description:

The Department of Information Systems offers a computer information systems concentration within the W. P. Carey PhD in business administration degree program. The objective of the program is to prepare scholars for careers at leading educational institutions. This program allows students to develop the capability to review, analyze, conduct and publish research through a series of seminars and additional supporting course work. In addition, doctoral students participate in ongoing research projects in conjunction with faculty members in the department.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Plan of Study

The doctoral program consists of a minimum of 84 credit hours of graduate-level course work beyond the bachelor's degree. A minimum of 42 hours of doctoral course work and 12 hours of dissertation credits are required to be taken at Arizona State University's Tempe campus. At the department's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Students work with their program committees to determine an appropriate plan of study. Common areas of specialization for doctoral studies include:

- business analytics and big data
- health care information technology
- IT enabled services and process innovation
- information economics and strategy
- security and privacy
- social media, e-commerce and mobile platforms

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the vice provost for Graduate Education upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctoral degree. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

Note: For detailed information regarding the university's doctoral degree requirements, please refer to Graduate Education policies and procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a 10-year period. The 10-year period starts with the initial enrollment into the doctoral program. In addition, students must take the final oral examination in defense of the dissertation within five years after passing the comprehensive examinations. Any exception must be approved by the supervisory committee and the vice provost for Graduate Education and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements:

All applicants are required to submit the Graduate Education online application and the supplemental application materials required by the department.

Doctoral applicants admitted to the W. P. Carey School of Business must have demonstrated the following proficiencies:*

- competency in mathematics
- strong quantitative ability
- competency in the use of computer technology for analytical purposes
- an undergraduate degree in a related field from an accredited university
- GMAT score
- proof of English proficiency**

*A master's or MBA is recommended (30 credits may count toward the minimum total of 84 hours of course work in our doctoral program). At least two years of full-time related work experience is recommended.

**International applicants whose native language is not English must submit scores from the Test of English as a Foreign Language (TOEFL). For more information on requirements, please review the program's website. Please also review the Graduate Education website for specific ASU admission requirements.

Applications are reviewed by the department's faculty committee using a portfolio approach. The committee will review each individual application and examine all parts equally.

Students must fulfill both the requirements of Graduate Education and those of the W. P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of

Business Administration

<http://wpcarey.asu.edu/information-systems-degrees/doctoral/overview>

BA 301P

wpcareyis@asu.edu

480-965-3252

Business Administration (Finance), PHD (BAFINANPHD)

Online Degree Search Title: Finance (PhD)

Campus: TEMPE

Program Description:

The primary objective of the PhD in business administration, concentration in finance is to train students for careers as professors of finance at major research universities. The program provides a challenging course of study in the most recent developments in both the theoretical and empirical aspects of financial economics. This course of study, along with work in economics and statistics, serves as preparation for understanding and critical analysis of current issues in finance.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Plan of Study

At least 30 hours (which may include research credit) of the approved doctoral program and 12 dissertation hours must be completed after admission to the student's doctoral program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 relevant credit hours from a previously awarded master's toward their doctoral plan of study.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examination. The comprehensive examination consists of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the vice provost for Graduate Education upon passing

the comprehensive examinations and successfully defending the dissertation prospectus.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

Note: For detailed information regarding the university's doctoral degree requirements, please refer to the Graduate Education Doctor of Philosophy policy and procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a 10-year period. The 10-year period starts with the initial enrollment into the doctoral program. In addition, the student must take the final oral examination in defense of the dissertation within five years after passing the comprehensive examinations. Any exception must be approved by the supervisory committee and the vice provost for Graduate Education, and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements:

Admission to the PhD in business administration with a concentration in finance is granted to applicants who present convincing evidence of high-order analytical skills, intellectual curiosity and the ability to work independently in pursuing scholarly research. Applicants should possess the intellectual curiosity and discipline required for original inquiry.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the W. P. Carey School of Business.

In addition to the general requirements of Graduate Education, applicants must submit:

- an online Graduate Education application
- three academic letters of recommendation
- scores from the GMAT or GRE
- a brief statement of their career objectives
- a resume

While many accepted students have an MBA or MS in a business-related field, others have a background in other areas, such as engineering, economics, mathematics, physics or political science.

Contact Information:

Business, W. P. Carey School of
Business Administration
<http://wpcarey.asu.edu/finance-degrees/doctoral>
BAC 519
wpcareyfin@asu.edu
480-965-3131

Business Administration (Management), PHD (BAMGMTPHD)

Online Degree Search Title: Management (PhD)

Campus: TEMPE

Program Description:

The Department of Management offers students the opportunity to obtain a PhD in business administration with a concentration in management. The doctoral program places primary emphasis on the development of research competence and also emphasizes teaching as a vehicle to academic professionalism. It is not intended for those seeking careers in industry or consulting. The mission of the program is the development of scholars who are prepared to assume the diverse responsibilities of faculty positions at leading research universities. Although management is a broad field, this doctoral program is best suited for students interested in specializing in organizational behavior, strategic management or organization theory.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Plan of Study

At least 30 hours (which may include research credit) of the approved doctoral program and 12 dissertation hours must be completed after admission to the doctoral program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Doctoral students are required to commit full time to the program, at least until they have successfully defended the dissertation proposal. Full-time enrollment entails a minimum of six hours of course work in any regular academic semester. To reach a total of 84 credit hours for the program, most students enroll for nine to 12 credit hours per semester. In addition, students work closely with faculty members through a research assistantship. The program is relatively small, with an emphasis on high quality; we provide a great deal of individual attention and mentoring to our students.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the vice provost for Graduate Education upon passing the comprehensive examinations and successfully defending the dissertation proposal.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as MGT 795 Continuing Registration) during the semester (including summer sessions) in which the student defends the dissertation.

Maximum Time Limit

Doctoral students must complete all program requirements within a 10-year period. The 10-year period starts with the semester and year of admission to the doctoral program. In addition, students must take the final oral examination in defense of the dissertation within five years after passing the comprehensive examinations. Therefore, the maximum time limit is the shortest of the following: the time period since initial enrollment (10-year time limit) or the time after passing the comprehensive exams (five-year time limit).

Any exception must be approved by the supervisory committee and the vice provost for Graduate Education and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements:

Applications are initially reviewed by a faculty committee using a portfolio approach. Materials are reviewed to ensure a good fit between students' goals and research interests and those of the department. Recommendations for action are then made to Graduate Education. Graduate Education admits or denies each applicant and notifies them in writing.

All applicants must submit:

- the Graduate Education online application
- GMAT scores and prior academic performance records
- three letters of recommendation
- a personal statement
- employment summary
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the W. P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of
Business Administration

<http://wpcarey.asu.edu/management-degrees/doctoral>
BA 323
wpcareymgt@asu.edu
480-965-3431

Business Administration (Marketing), PHD (BAMARKPHD)

Online Degree Search Title: Marketing (PhD)

Campus: TEMPE

Program Description:

The PhD program is for those students who want to become full-time professors at research-oriented universities. It is not intended for people who want to work in industry positions. It is a full-time program only, and students take all their courses on campus.

All students complete a core curriculum, yet tailor their work to achieve personal goals. The program is designed to be completed in four to five years.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Plan of Study

At least 30 hours (which may include research credit) of the approved doctoral program and 12 dissertation hours must be completed after admission to the doctoral program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 credit hours from a previously awarded master's degree toward their doctoral plan of study.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the vice provost for Graduate Education upon passing the comprehensive examinations and successfully defending the dissertation proposal.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as MKT 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

Note: For detailed information regarding the university's doctoral degree requirements, please refer to Graduate Education policies and procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a 10-year period. The 10-year period starts with the initial enrollment into the doctoral program. In addition, students must take the final oral examination in defense of the dissertation within five years after passing the comprehensive examinations. Any exception must be approved by the supervisory committee and the vice provost for Graduate Education and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements:

Applications are initially reviewed by a faculty committee using a portfolio approach. Materials are reviewed to ensure a good fit between the student's goals and research interests and those of the department. Recommendations for action are then made to Graduate Education. Graduate Education admits or denies each applicant and notifies them in writing.

All applicants must submit:

- the Graduate Education online application
- GMAT or GRE scores and prior academic performance records
- letters of recommendation

- a personal statement
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the W. P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of
Business Administration
<http://wpcarey.asu.edu/marketing-degrees/doctoral>
BAC 460
wpcareymkt@asu.edu
480-965-3621

Business Administration (Supply Chain Management), PHD (BASCMPHD)

Online Degree Search Title: Supply Chain Management (PhD)

Campus: TEMPE

Program Description:

The objective of the PhD in business administration with a concentration in supply chain management is to prepare scholars to conduct high-quality research and teach in the field of supply chain management. Supply chain management incorporates the core areas of logistics, operations management and sourcing or purchasing.

It is a full-time residential program for students whose career goals are full-time university research and teaching upon completion of the degree. Students are trained to competently recognize SCM-related problems, frame these problems into research questions and address them in a scholarly manner. Students are required to review, analyze, conduct and publish research through a series of doctoral seminars and supplemental course work that encourages creativity and critical thinking.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The doctoral program requires the completion of course work, the completion of academic papers for submission to journals, a comprehensive exam and a dissertation. The program is generally viewed as a four-year process. Most students will serve in research assistantships for all four years. During the program, students are expected to actively participate in required courses as well as in seminars and presentations from colleagues, department faculty and visiting scholars. Students will also have the opportunity to teach courses during their doctoral program. Teaching assistantships will typically be made available during the last two years of the program. This will allow doctoral students to get research projects and manuscripts into the multiyear pipeline typical of accepted research articles. Through our areas of excellence, centers and faculty, the SCM program has special opportunities for industry-based research projects.

Course Work

The doctoral program consists of a minimum of 84 credit hours of approved graduate course work beyond the bachelor's degree. The department requires doctoral students to take 48 credit hours of graduate course work in residence at ASU during their first two years. The specific classes must be approved by faculty members in the students' areas of excellence. Students are also required to take 12 hours of research and 12 hours of dissertation credit. A maximum of 12 credits can be transferred from previous graduate course work. Moreover, each student's plan of study must be approved in advance by their program chair.

Academic Papers

Students are expected to work on academic papers for submission to journals during their doctoral program. Summer months are intended for manuscript writing for those students who have yet to successfully defend their dissertation proposals. At the end of each summer, all doctoral students are required to have at least one new manuscript ready for submission to a journal for publication. Faculty in the areas of excellence will supervise manuscript planning and writing. The bulk of the writing is to be done during the summer by the students. Faculty in the students' areas of excellence will evaluate the papers and provide detailed feedback and instructions for rewriting of papers.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved plan of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examinations consist of a minimum of a written exam and, at the discretion of the academic unit, an oral exam may also be required.

Candidacy

Doctoral students are notified of achieving candidacy status when they receive a letter from the vice provost for Graduate Education upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the doctorate. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one credit hour that appears on the plan of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including a summer session) in which the student defends the dissertation.

Note: For detailed information regarding the university's doctoral degree requirements, please refer to the Graduate Education policies and procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a 10-year period.

Admission Requirements:

Applications are initially reviewed by a faculty committee using a portfolio approach. Materials are reviewed to ensure a good fit between students' goals and research interests and those of the department. Recommendations for action are then made to Graduate Education. Graduate Education admits or denies each applicant and notifies them in writing.

All applicants must submit:

- the Graduate Education online application
- GMAT or GRE scores and prior academic performance records
- letters of recommendation
- a personal statement
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the W. P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of
Business Administration
<http://wpcarey.asu.edu/supply-chain-management-degrees/doctoral>
BA 446
wpcarey.scm@asu.edu
480-965-6044

Business Analytics, MS (BABUSANMS)

Online Degree Search Title: Business Analytics MS

Campus: ONLNE, TEMPE

Program Description:

Delivered by the highly ranked W. P. Carey Departments of Information Systems and Supply Chain Management, the MS in business analytics program builds on quantitative skills and develops the analytics depth needed to make an immediate impact. Students discover how to derive value from data, lead data-driven analyses and create a business advantage across markets and industries.

The nine-month, lock-step curriculum consists of eight quarter-based courses and two semester-long courses. The program culminates in a semester-long applied project, which delivers real-world experience and develops communication and leadership abilities. One (1.5 credit hours) applied project course from each discipline will serve as the culminating experience for students completing the MS in business analytics.

Classes begin each fall semester in August and are offered on both the Tempe campus and Online. The MS in business analytics (on the Tempe campus) is designed for individuals who want to immerse themselves in full-time graduate studies and take classes during the day. The MS in business analytics (offered online) is designed for working professionals and is offered entirely online.

Degree Requirements: 30 credit hours including the required applied project courses (SCM 593 and CIS 593).
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Core Courses:

CIS 505 Introduction to Enterprise Analytics (3)
CIS 508 Data Mining I (3)
CIS 509 Data Mining II (3)
CIS 515 Business Analytics Strategy (3)
ECN 525 Applied Regression Models (3)
SCM 516 Introduction to Applied Analytics (3)
SCM 517 Data-Driven Quality Management (3)
SCM 518 Analytical Decision Making Tools I (3)
SCM 519 Analytical Decision Making Tools II (3)

Culminating Experience:

CIS 593 Applied Project II (1.5)
SCM 593 Applied Project I (1.5)

Admission Requirements:

All applicants are required to submit the ASU Graduate Education online application and the supplemental application materials required by the W. P. Carey Graduate Programs Office.

Minimum requirements for admission to the MS in business analytics program are:

- official transcripts of all course work completed at institutions other than ASU
- GMAT or GRE test scores
- one letter of recommendation that comments on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Complete application instructions may be obtained from the department's website.

Students must fulfill both the requirements of Graduate Education and those of the W.P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
<http://wpcarey.asu.edu/masters-programs>
MCRD 350
wpcareymasters@asu.edu
480-965-3332

Economics, PHD (BAECONPHD)

Online Degree Search Title: Economics (PhD)

Campus: TEMPE

Program Description:

The PhD program in economics is a full-time program intended to prepare students for teaching and research positions at four-year institutions of higher education and for research positions in public agencies or private business organizations. The doctoral program is relatively small in size, with about 45 doctoral students in residence at any time. The low student-faculty ratio allows us to provide greater faculty attention and mentoring compared to larger programs. Students are involved in teaching, research and seminar activities, becoming valued members of the department. Most of our doctoral students are supported through teaching and research assistantships for five years. Stipends are highly competitive with any graduate program in the country.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

In addition to completing 60 credit hours beyond the bachelor's (30 credit hours beyond the master's) and 24 credit hours of research and dissertation, the doctoral student must accomplish five tasks:

- meet the qualifying examination requirement
- present at least one area of emphasis
- pass the comprehensive examination (both written and oral components)
- pass the dissertation proposal defense

- complete a dissertation with an oral defense

See the Department of Economics graduate student handbook for details concerning these tasks.

Admission Requirements:

- Each applicant must submit an online application form, fee and other materials to ASU Graduate Education; admission guidelines are available from Graduate Education.
- All applicants to the doctoral program in economics must have a bachelor's or equivalent.
- The Department of Economics requires applicants to send official scores from the GRE. Applications will not be reviewed until the GRE scores are received.
- Applicants are required to submit at least three letters of recommendation to the Director of Graduate Studies in the Department of Economics.
- Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the W. P. Carey School of Business.

Our admission policy weighs several factors including letters of reference, overall GPA, GRE scores and performance in selected mathematics and economics courses. We have no absolute standards for any of the factors, but performance on each clearly should suggest academic potential that is far above those of the normal undergraduate student.

The application deadline is Jan. 15 for the fall semester. There are no spring admission.

Contact Information:

Business, W. P. Carey School of
Department of Economics
<http://wpcarey.asu.edu/economics-degrees/doctoral>
CPCOM 412
wpcareyecn@asu.edu
480-965-3531

Finance, MS (BAFINMS)

Online Degree Search Title: Finance (MS)

Campus: TEMPE

Program Description:

The W. P. Carey MS in finance at Arizona State University delivers a leading-edge curriculum balanced between finance and asset and portfolio management. Graduates of this program will be prepared for a range of career opportunities, including corporate finance, risk management, money management, financial planning, investment banking, consulting or real estate.

The master's in finance is one of the few advanced finance degrees offered by a top-ranked business school, offering a distinctive foundation in business and finance. Students will have access to world-renowned faculty, motivated classmates and personalized career resources. The program begins each fall in August and completes in nine months.

Degree Requirements: 32 credit hours including a capstone course (FIN 575).

The master's in finance curriculum is composed of 12 courses. The schedule will follow the seven-week quarterly schedule of the MBA program.

Required Core Courses:

ACC 502 Financial Accounting (3)
ECN 501 Statistics for Managers (3)
ECN 502 Managerial Economics (3)
FIN 502 Managerial Finance (3)
FIN 525 Investment Strategies (2.5)
FIN 530 Derivatives (2.5)
FIN 550 Fixed Income (2.5)
FIN 555 Entrepreneurial Finance (2.5)
FIN 545 Advanced Corporate Finance (2.5)
FIN 560 International Finance and Investments No (2.5)
FIN 565 Risk Management in Banks and Financial Institutions (2.5)

Culminating Experience:

FIN 575 Finance Capstone (2.5)

Total required credit hours: 32

Admission Requirements:

There are two main audiences for the master's program: First, recent undergraduates from business, economics or related majors, or from programs where quantitative skills have been emphasized; and second, career advancers who have strong quantitative skills and seek to adapt those skills to be more competitive in the job market. Career advancers must be able to commit to a full-time plan of study; the program may not cater to working professionals as it is currently designed.

This program is appropriate for students from undergraduate programs with quantitative underpinnings at either ASU or other universities. Typical undergraduate majors are expected to include business and management; and economics, statistics, computer science and other types of science, engineering, technology and mathematics (STEM) degree areas.

Students must complete the online application form to apply to Graduate Education for admission to the program. They must also submit the following:

- official transcripts of all course work completed at institutions other than ASU
- GMAT
- two letters of recommendation

GPA and Minimum Qualifications: All applicants must submit a GMAT test score. The average GMAT target is 650-675 (similar to peer programs). Applicants should expect to score above 600 on the GMAT to be competitive.

Applicants must have maintained a minimum grade point average of 3.00 (on a 4.00 scale) in the last 60 semester hours or 90 quarter hours of undergraduate course work.

English Proficiency Requirement for International Applicants: The English proficiency requirements are the same as the Graduate Education requirement. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Foreign Language Exam: No

Students must fulfill both the requirements of Graduate Education and those of the W. P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
<http://wpcarey.asu.edu/masters-programs/finance>
MCRD 365
wpcareymasters@asu.edu
480-965-3332

Global Financial Management, DBA (BAGFMDBA)

Online Degree Search Title: Global Financial Management (DBA)

Campus: TEMPE

Program Description:

To accelerate China's pace of global integration, the W. P. Carey School of Business at Arizona State University and Shanghai Advanced Institute of Finance have jointly launched a DBA in global financial management program in China. The Doctor of Business Administration is an applied research professional degree program designed for senior corporate leaders and government officials in China seeking a terminal degree alternative to the traditional PhD. The leaders emerging from this program will transform China's economic structure, its financial markets and shape the future of China's leadership roles in the global economy of the 21st century.

This degree is only offered in China.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
credit hours from an awarded master's degree (30)
required core (27)
electives (6)
required research (9)
DBA 799 Dissertation (12)

Admission Requirements:

- minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program, with a minimum GPA of 3.00 required in the master's work for acceptance into the DBA program
- minimum of a graduate degree from a regionally accredited college or university of recognized standing in a related field such as Master of Business Administration, Master of Economics, Master of Finance, Master of Accountancy or related field of specialization in business.

English proficiency requirement for international applicants is not required.

This degree is only offered in China. All applicants are required to contact the program coordinator before submitting the Graduate Education online application.

Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
<http://wpcarey.asu.edu/international-programs/china/english/DBA/overview>
BA 252B
WPCareydba@asu.edu
480-965-6635

Global Logistics, MS (BAGLSMS)

Online Degree Search Title: Global Logistics (MS)

Campus: WEST

Program Description:

Offered during fall term and available at ASU's West campus, the W. P. Carey School of Business MS in global logistics is delivered by the highly ranked W. P. Carey Department of Supply Chain Management and provides deep expertise in global logistics and unique insight into emerging markets.

The nine-month full-time curriculum with courses offered during the day provides specialized knowledge and practical perspectives on global operations, logistics and multicultural perspectives, thus preparing graduates for a growing career field. Students will have access to world-renowned faculty, motivated classmates and personalized career resources.

Degree Requirements: 30 credit hours including the required applied project course (SCM 593).

The program curriculum is composed of 10 courses, including one course that serves as the applied project. The schedule is will follow a combination of ASU scheduling options. Three courses will follow schedule C and will have a semester-long duration. The other seven courses will follow the 7.5-week quarterly schedule of the MBA program. Those courses will require some online and extra class time to meet the 40-contact-hour standard of The Association to Advance Collegiate Schools of Business.

Required Core Courses for the Degree:

SCM 502 Operations and Supply Management (3)
SCM 515 Decision Models for Supply Chain Management (3)
SCM 516 Introduction to Applied Analytics (3)
SCM 520 Strategic Procurement (3)
SCM 541 Logistics in the Supply Chain (3)
SCM 542 Logistics, Emerging Markets, and Economic Development (3)
MGT 400 Cross-Cultural Management (3)
MGT 411 Leading Organizations (3)
SCM 545 Cases in Global Logistics (3)

Culminating Experience:

Total required credit hours: 30

Admission Requirements:

There are two main audiences for the master's program: recent undergraduates from logistics-related majors and career advancers with a background in supply chain management and operation whose skills can be expanded to include a broader global context and exposure to emerging markets. Students must be able to commit to a full-time plan of study; the program may not cater to working professionals as it is currently designed.

This program is appropriate for students who have strong quantitative skills and seek to adapt those skills to be more competitive in the job market. Typical undergraduate majors are expected to include business and management majors, computer information systems, economics and other types of global studies or similar degree areas.

Students must complete the Graduate Education online application to apply for admission to the program. They must also submit the following:

- official transcripts of all course work completed at institutions other than ASU
- GMAT or GRE test scores
- one letter of recommendation

GPA and Minimum Qualifications: Applicants must have maintained a minimum grade point average of 3.00 (on a 4.00 scale) in the last 60 semester hours or 90 quarter hours of undergraduate course work.

Required Admissions Examinations: All applicants must submit either the GMAT or GRE. For more information on GMAT, please visit <http://www.mba.com> (<http://www.mba.com>). For GRE, please visit www.ets.org/gre (<http://www.ets.org/gre>). Applicants should expect to score above 600 on the GMAT to be competitive.

English Proficiency Requirement for International Applicants: The English proficiency requirements are the same as the Graduate Education requirement. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Foreign Language Exam: No

Students must fulfill both the requirements of Graduate Education and those of the W. P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
<http://wpcarey.asu.edu/masters-programs/global-logistics>
MCRD 365
wpcareymasters@asu.edu
480-965-3332

Information Management, MS (BAINFOMS)

Online Degree Search Title: Information Management (MS)

Campus: ONLNE, TEMPE

Program Description:

The MS in information management is a degree program designed for working professionals offered in an evening or online format. The W. P. Carey School of Business information management program will prepare students to manage in an information technology environment. Students will also learn the business skills needed to leverage IT and gain a competitive advantage in the global economy.

The evening master's is a 12-month program that starts in June. The online master's is a 16-month program that starts in Jan. or Aug. Both the evening or online master's features integrated course work in a case-based and team-oriented environment, allowing students to collaborate and leverage the experience of their peers.

Degree Requirements: MSIM Evening or Online: 30 credit hours including the required applied project course (CIS 593), or MSIM/MBA Dual Degree: 30 credit hours and an applied project, or MSIM/MBA Dual Degree: 30 credit hours and an applied project.

The master's in information management is offered in a 12-month evening format or 16-month online format. The program requires 30 credit hours of course work and an applied project.

With an innovative curriculum that deepens the synthesis of information, technology and business, the W. P. Carey School of Business master's in information management combines the best of both worlds - a leading-edge information management education and one of the nation's top ranked business schools. Please access the program website for a list of courses.

Concurrent Degrees:

This degree is also offered as concurrent degree with:

Legal Studies (MLS)

W. P. Carey MBA - Full-Time Program

Admission Requirements:

All applicants are required to submit the Graduate Education online application and the supplemental application materials required by the department.

Minimum requirements for admission to the master's in information management program are:

- two years of full-time related work experience
- an undergraduate degree in a related field from an accredited university
- completed prerequisite college-level courses or equivalent experience in statistics, brief calculus and a programming language

Complete application instructions may be obtained from the department's website. The GMAT exam is not required.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the W. P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of

WPC Graduate Programs

<http://wpcarey.asu.edu/masters-programs>

MCRD 350

wpcareymasters@asu.edu

480-965-3332

Management, MS (BACMRMS)

Online Degree Search Title: Management (MS)

Campus: TEMPE

Program Description:

Arizona State University's W. P. Carey School of Business MS in management is an innovative business degree program providing new liberal arts, science, engineering and other nonbusiness graduates with the intellectual and professional skills needed to succeed in today's business environment. This one-year program is designed to develop critical-thinking skills as applied to fundamental business procedures and processes, and leadership skills. It is also designed to bridge the gap between academic preparation and real-world business applications.

Graduates of this program will have the capability and motivation to rapidly progress in any profession where business plays an important role. The management program differs substantially from a traditional MBA program in that no work experience is required for admission and the course work is completed in one year, giving a broad overview of the essentials of managerial decision-making.

Classes begin each fall semester in August and are offered on the Tempe campus.

Degree Requirements:

The following courses are required:

ACC 502 Financial Accounting

ACC 503 Managerial Accounting

ECN 501 Managerial Statistics

ECN 502 Managerial Economics

FIN 502 Managerial Finance

LES 582 Ethical Issues for Managers

MGT 502 Organization Theory and Behavior

MGT 588 Strategic Leadership

MGT 591 Topic: Business Communications

MGT 591 Topic: Consulting Project Capstone
MGT 591 Topic: Negotiations
MGT 594 Career Leadership
MKT 502 Marketing Management
SCM 502 Operations and Supply Chain Management
SCM 587 Project Management

Concurrent Degrees:

This degree is also offered as concurrent degree with Legal Studies (MLS)

Admission Requirements:

All applicants are required to submit the ASU Graduate Education online application and the supplemental application materials required by the W. P. Carey Graduate Programs Office.

Minimum requirements for admission to the MS in management program are:

- official transcripts of all course work completed at institutions other than ASU
- GMAT or GRE test scores
- one letter of recommendation that comments on the student's motivation, commitment, achievements, work experience and opportunity for success in the program
- current resume
- essays
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Complete application instructions may be obtained from the department's website.

Students must fulfill both the requirements of Graduate Education and those of the W. P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
<http://wpcarey.asu.edu/masters-programs>
MCRD 350
wpcareymasters@asu.edu
480-965-3332

Management, MS (BAMCCMS)

Online Degree Search Title: Management in China/Corporate (MS)

Campus: TEMPE

Program Description:

The W. P. Carey School of Business at Arizona State University is directly involved in the development of top leadership in China. The MS custom corporate program in China is designed for participants from a single company in China. Upon successful completion of the program curriculum, the participants will be granted an ASU Master of Science in Management degree through the W. P. Carey School of Business.

The curriculum is designed to leverage participants' existing strengths in a chosen management concentration and at the same time provides intensive knowledge on managerial decision making and strategic formulation. Accordingly, the curriculum is designed with a strong interdisciplinary focus, while achieving cycle time efficiency. At the core of the curriculum delivery is emphasis on the practical applications with direct business connectivity. The curriculum also prides itself on its integration of global practices and local market characterizations, to enable participants' ability to excel in the modern economy.

The hallmarks of prestigious programs include two key elements: the faculty and the students. No other master of science program in China offers a more impressive list of faculty or students than the W. P. Carey MS China program. The faculty includes renowned faculty from W. P. Carey School of Business as well as from other prestigious American business schools.

Degree Requirements: 36 credit hours including the required capstone course (MGT 588).

The curriculum consists of 12 courses, with a concentration on management. It is a world-class master program with immersion in financial

accounting, managerial finance, statistics and economics, marketing management, organizational theory and behavior, human resources management, supply chain management and information technology management.

All students must successfully complete the comprehensive requirement for MS graduates established by the W. P. Carey School of Business and Graduate Education. As a lock-step program, there will be no opportunities for participants to make up missed courses or to substitute courses. Therefore, students must complete all 12 courses before graduation with a grade of "B" (3.00 on a scale of 4.00) or higher for each course to satisfy the comprehensive requirement. A thesis is not required.

Admission Requirements:

The MS custom corporate program in China requires that students be nominated into the program by the company and is only delivered in China. Applicants are required to contact the program coordinator before submitting the Graduate Education online application.

Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
<http://wpcarey.asu.edu/international-programs/china/english>
BA 252C
WPCareyMiMChina@asu.edu
480-965-4203

Real Estate Development, MREDev (ARREMREDEV)

Online Degree Search Title: Real Estate Development (MRED)

Campus: TEMPE

Program Description:

The Arizona State University's master's in real estate development (MRED) is one of the leading programs offered through the nationally ranked and recognized W. P. Carey School of Business, in partnership with the Sandra Day O'Connor College of Law, the Herberger Institute for Design and the Arts, and the Del E. Webb School of Construction. The program offers a truly transdisciplinary approach to real estate development education through a full-immersion curriculum that explores the development process in its entirety.

The program partnerships are the key to encompassing all facets of the real estate development process. Students receive core knowledge through a transdisciplinary curriculum that offers real-world application through synthesis projects utilizing actual locations with variable situations.

During the one-year program, students learn how to locate, analyze and consider the physical, legal, economic, political and financial conditions impacting the use of property and the critical analysis required for a successful project. Graduates of the program are prepared to undertake mid- and senior-level management responsibility for small to large development and investment companies. They enter the real estate development industry with a keen awareness of developing projects that are financially viable, economically desirable, politically acceptable, environmentally respectful, socially responsible and contextually and artfully designed.

Degree Requirements: 36 credit hours including the required capstone course (RED 515).

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The program is offered in an intense format covering two academic semesters. Students take required core course modules in a variety of formats, including:

- comprehensive module exams to assess aggregate knowledge
- face-to-face classroom instruction
- group work
- independent research
- synthesis projects
- topical quizzes
- weekly assignments

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the master of real estate development program or taken while enrolled in another program outside the W. P. Carey School of Business.

Foreign Language Requirements

None.

Thesis Requirements

None.

All students must successfully complete the final synthesis project requirement established by the W. P. Carey School of Business and Graduate Education for the master of real estate development. The comprehensive culminating experience is integrated with RED 515 Capstone Project: Mixed Use Property Development. Students passing this course with a grade of "B" (3.00) or higher satisfy the culminating experience requirement.

Concurrent Degrees:

This degree is also offered as concurrent degree with Legal Studies (MLS)

Admission Requirements:

All applicants are required to submit the ASU Graduate Education online application and the supplemental application materials required by the W. P. Carey Graduate Programs Office. Complete application instructions may be obtained from the department's website.

Minimum requirements for admission to the master's in real estate development program are:

- official transcripts of all course work completed at institutions other than ASU
- GMAT or GRE test scores*
- one letter of recommendation that comments on student's motivation, commitment, achievements, work experience and opportunity for success in the program
- current resume
- essays
- proof of English proficiency**

*MCAT or LSAT scores can be accepted in lieu of GMAT or GRE.

**Proof of English proficiency is required for all applicants whose native language is not English (regardless of where they may now reside).

Students must fulfill both the requirements of Graduate Education and those of the W. P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
<http://wpcarey.asu.edu/masters-programs>
MCRD 350
wpcareymasters@asu.edu
480-965-3332

Supply Chain Management (certificate), Certificate (BASCMCERT)

Online Degree Search Title: Supply Chain Management (Grad Certificate)

Campus: ONLNE

Program Description:

The certificate is composed of five, three-credit online courses in supply chain management, each five weeks in length. The content of the courses is tightly integrated and offers a comprehensive coverage of core topics in supply chain management. The intended audiences for the certificate include working professionals who are graduates of general management undergraduate or graduate business programs who wish to supplement their degrees with focused, graduate-level courses in supply chain management, and they are either relatively new to supply chain management and desire a foundational knowledge of supply chain management complexities as well as a strong understanding of how companies leverage their supply chains to achieve competitive advantage, or experienced supply chain management professionals who wish to update their knowledge of current thinking and best practices through interaction with faculty engaged in broad-based research and consulting.

Degree Requirements: 15 credit hours including the required capstone course (SCM 532).

The following courses are required for this certificate:

SCM 502 Operations and Supply Management (3)
SCM 520 Strategic Procurement (3)
SCM 521 Supply Management and Negotiation (3)
SCM 532 Supply Chain Cost and Design Issues (3)
SCM 541 Logistics in the Supply Chain (3)

Admission Requirements:

All applicants must submit the Graduate Education online application and meet Graduate Education admission requirements. In addition, applicants should have a minimum of two years of full-time work experience.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill the requirements of both Graduate Education and the W. P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
<http://wpcarey.asu.edu/executive-education>
BAC 419
wpcarey.execed@asu.edu
480-965-7579

Supply Chain Management and Engineering, MS (BASCMEMS)

Online Degree Search Title: Supply Chain Management and Engineering MS

Campus: ONLNE

Program Description:

The MS in supply chain management and engineering is a two-year, 30-credit-hour program for working professionals in supply chain management, industrial engineering or a related field that consists of 15 credit hours of courses from the Department of Supply Chain Management in the W. P. Carey School of Business and 15 credit hours from the Industrial Engineering program in the School of Computing, Informatics, and Decision Systems Engineering in the Ira A. Fulton Schools of Engineering.

Most students will have an undergraduate degree in a technical field, such as business, engineering or science. The objective is twofold: to provide students with knowledge of the fundamental foundations across the full spectrum of supply chain management functions and the ability to use state-of-the-art engineering tools to analyze, control and optimize modern supply chains.

Degree Requirements: 30 credit hours including the required applied project course (SCM 593).

core course credit hours (27)

culminating experience: SCM 593 Applied Project (3)

Admission Requirements:

The W. P. Carey School of Business and the Ira A. Schools of Engineering seek exceptional individuals who are working supply chain professionals (or in closely related fields). Applicants must be highly motivated and have strong intellectual capabilities. The admission committee looks for outstanding academic credentials, character qualities such as maturity, integrity and leadership, and diversity in perspectives and experiences.

Students must complete the online application form to apply to Graduate Education for admission to the program. They must also submit the following to the W. P. Carey School:

- resume
- official transcripts of all course work completed at institutions other than ASU
- GMAT or GRE test scores
- personal statement
- one letter of recommendation

Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
<http://wpcarey.asu.edu/masters-programs>
MCRD 350
wpcareymasters@asu.edu
480-965-3332

Taxation, MTax (BATAMTAX)

Online Degree Search Title: Taxation (MTax)

Campus: TEMPE

Program Description:

The master of taxation program is a specialized degree program designed to equip students with the highly technical and demanding skills required to provide tax and business advice in the private and public sector. An esteemed faculty of practitioners and experienced accounting professionals deliver deep knowledge through our innovative, practical curriculum.

The nine-month master's program is delivered by the highly ranked W. P. Carey School of Accountancy and is designed for individuals who want to immerse themselves in full-time graduate studies and take classes during the day. Classes begin each fall in August on the Tempe campus.

Degree Requirements: 30 credit hours including the required capstone course (ACC 589).

The Master of Taxation program is a nine-month, full-time, lock-step program that offers classes during the day and is completed in one academic year (August to May). Applicants must complete program prerequisites prior to admission to the program. Please refer to the W. P. Carey graduate programs website for a current listing of required course prerequisites. Graduate-level accounting courses are only open to students admitted to the graduate program.

Concurrent Degrees:

This degree is also offered as concurrent degree with:

Legal Studies (MLS)

W. P. Carey MBA - Full-Time Program

Accelerated Degrees:

This degree is also offered as an accelerated degree with Accountancy, BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

All applicants are required to submit the ASU Graduate Education online application and the supplemental application materials required by the W. P. Carey Graduate Programs Office.

The minimum requirements for admission to the master of taxation program are:

- official transcripts of all course work completed at institutions other than ASU
- GMAT test scores
- one letter of recommendation that comments on the student's motivation, commitment, achievements, work experience and opportunity for success in the program
- current resume
- essays
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Complete application instructions may be obtained from the department's website.

Students must fulfill requirements of both Graduate Education and those of the W. P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of

WPC Graduate Programs

<http://wpcarey.asu.edu/masters-programs>

MCRD 350

wpcareymasters@asu.edu

480-965-3332

W. P. Carey MBA, MBA (BACORPMBA)

Online Degree Search Title: W. P. Carey MBA - Custom Corporate Program

Campus: TEMPE

Program Description:

The custom corporate MBA program is designed for participants from a single company. Participants are nominated to attend the program by their company and receive a solid, core curriculum with optional specializations. The custom corporate MBA program offers flexible part-time delivery modes using online, on-ground and blended courses. Possible features that can be incorporated into the custom programs are company-specific applied projects, guest teaching from corporate leaders and intensive residential sessions.

Degree Requirements: 48 credit hours including the required capstone course (MGT 589).

The custom corporate MBA program requires that students be nominated into the program by the sponsoring company.

Admission Requirements:

Applicants must submit the Graduate Education online application, meet Graduate Education admission requirements, and meet the guidelines established by the custom corporate MBA program.

Contact Information:

Business, W. P. Carey School of

WPC Graduate Programs

<http://wpcarey.asu.edu/mba-programs/custom-corporate>

MCRD 460

wpcarey.execed@asu.edu

480-965-7579

W. P. Carey MBA, MBA (BAEVEAMBA)

Online Degree Search Title: W. P. Carey MBA - Weekend Program

Campus: TEMPE

Program Description:

The purpose of the W. P. Carey MBA is to provide a solid foundation and knowledge base in the core business disciplines, to develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions. The curriculum is delivered in a case-based, team-oriented and discussion learning environment. Elective courses provide additional depth and breadth to enhance an area of emphasis, students' knowledge base and career goals. The weekend MBA is designed for working professionals seeking to continue working full-time while attending school. The program starts each January, and is completed in 19 months.

The MBA program is supported by each of the eight academic units within the W. P. Carey School of Business.

Degree Requirements: 48 credit hours including the required capstone course (MGT 589).

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The core courses are designed to provide a foundation in business knowledge and skills and must be taken in the prescribed sequence. Elective courses build upon the business core and center on the further development of an optional area of emphasis. There may be additional requirements that vary by area of emphasis. The program is completed in 19 months.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the MBA program, or taken while enrolled in another MBA program outside the W. P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

Foreign Language Requirements

None.

Thesis Requirements

None.

Comprehensive Examination

All students must successfully complete the comprehensive requirement established by the school of business and Graduate Education for the MBA. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00) or higher satisfy the comprehensive examination requirement.

Admission Requirements:

All applicants are required to submit the ASU Graduate Education online application and the supplemental application materials required by the W. P. Carey School of Business.

P. Carey Graduate Programs Office.

Minimum requirements for admission to the MBA weekend program are:

- official transcripts of all course work completed at institutions other than ASU
- GMAT or GRE test scores
- two letters of recommendation that comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program
- current resume
- essays
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Complete application instructions may be obtained from the department's website.

Students must fulfill the requirements of both Graduate Education and those of the W. P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
<http://wpcarey.asu.edu/mba-programs>
MCRD 350
wpcareymasters@asu.edu
480-965-3332

W. P. Carey MBA, MBA (BAEVENMBA)

Online Degree Search Title: W. P. Carey MBA - Evening Program

Campus: TEMPE

Program Description:

The purpose of the W. P. Carey School of Business MBA program is to provide a solid foundation and knowledge base in the core business disciplines, to develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions. The curriculum is delivered in a case-based, team oriented and discussion learning environment. Elective courses and technical certificates provide additional depth and breadth, to enhance an area of emphasis, students' knowledge base and career goals. The evening MBA is designed for working professionals seeking to continue working full time while attending school. The program starts in August and is completed in 21 months.

The MBA program is supported by each of the eight academic units within the W. P. Carey School of Business.

Degree Requirements: 48 credit hours including the required capstone course (MGT 589).

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The core courses are designed to provide a foundation in business knowledge and skills and must be taken in the prescribed sequence. Elective courses build upon the business core and center on the further development of an area of emphasis. There may be additional requirements that vary by area of emphasis. The program is completed in 21 months.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the MBA program or taken while enrolled in another MBA program outside the W. P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

Foreign Language Requirements

None.

Thesis Requirements

None.

Comprehensive Examination

All students must successfully complete the comprehensive requirement established by the school of business and Graduate Education for the MBA. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00) or higher satisfy the comprehensive examination requirement.

Admission Requirements:

All applicants are required to submit the ASU Graduate Education online application and the supplemental application materials required by the W. P. Carey Graduate Programs Office.

Minimum requirements for admission to the MBA evening program are:

- official transcripts of all course work completed at institutions other than ASU
- GMAT or GRE test scores
- two letters of recommendation that comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program
- current resume
- essays
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Complete application instructions may be obtained from the department's website.

Students must fulfill both the requirements of Graduate Education and those of the W. P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
<http://wpcarey.asu.edu/mba-programs>
MCRD 350
wpcareymasters@asu.edu
480-965-3332

W. P. Carey MBA, MBA (BAEXECMBA)

Online Degree Search Title: W. P. Carey MBA - Executive Program

Campus: TEMPE

Program Description:

The purpose of the W. P. Carey School of Business MBA program is to provide a solid foundation and knowledge base in the core business disciplines, to develop analytic capabilities and decision-making and leadership skill sets to effectively integrate decisions into the business environment. The executive MBA is designed for managers who have significant experience managing people, projects and budgets. Classes begin in the fall and meet twice monthly on Fridays and Saturdays. This allows the opportunity to minimize time away from work, maximize time for studying and class preparation and is flexible enough to accommodate travel for students who are regional as well as local. The executive MBA is completed in 21 months.

The MBA program is supported by each of the eight academic units within the W. P. Carey School of Business. Curriculum information can be found on the school website.

Degree Requirements: 48 credit hours including the required capstone course (MGT 589).

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills.

The executive curriculum must be taken in the prescribed sequence and is augmented by a series of lectures on thought leadership and off-site learning programs, including a business and public policy course in Washington, D.C. An additional off-site course exploring issues and strategies in the global business environment is held in partnership with an international business school. The program is completed in 21 months.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the MBA program or taken while enrolled in another MBA program outside of the W. P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

None.

Thesis Requirements

None.

Comprehensive Examination

All students must successfully complete the comprehensive requirement established by the school of business and Graduate Education for the MBA. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00) or higher satisfy the comprehensive examination requirement.

Admission Requirements:

All applicants are required to submit the ASU Graduate Education online application and the supplemental application materials required by the W. P. Carey Graduate Programs Office.

Minimum requirements for admission to the MBA executive program are:

- official transcripts of all course work completed at institutions other than ASU
- current resume
- two letters of recommendation that comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program
- essays
- personal interview, by invitation only
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Complete application instructions may be obtained from the department's website.

Students must fulfill both the requirements of Graduate Education and those of the W. P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
<http://wpcarey.asu.edu/mba-programs>
MCRD 350
wpcareymasters@asu.edu
480-965-3332

W. P. Carey MBA, MBA (BAFULLMBA)

Online Degree Search Title: W. P. Carey MBA - Full-Time Program

Campus: TEMPE

Program Description:

The purpose of the W. P. Carey School of Business MBA program is to provide a solid foundation and knowledge base in the core business disciplines, to develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions. The curriculum is delivered in a case-based, team oriented learning environment. A specialization in a functional area provides additional depth and breadth to further enhance students' knowledge base and focus career goals. The full-time MBA is designed for individuals who want to immerse themselves in full-time graduate studies and take classes during the day. Small class size in the program supports individual learning, promotes student-faculty interaction and encourages personal and professional development.

The MBA program is supported by each of the eight academic units within the W. P. Carey School of Business.

Degree Requirements: 48 credit hours including the required capstone course (MGT 589).

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability as well as effective written and oral communication skills.

The core courses are designed to provide a foundation in business knowledge and skills and must be taken in the prescribed sequence. Elective or specialization courses build upon the business core and center on the further development of a specialization. There may be additional

requirements that vary by specialization. The program is typically completed in two years, with a required internship in the summer between the first and second year of study.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the MBA program or taken while enrolled in another MBA program outside of the W. P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

Foreign Language Requirements

None.

Thesis Requirements

None.

Comprehensive Examination

All students must successfully complete the comprehensive requirement established by the school of business and Graduate Education for the MBA. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00) or higher satisfy the comprehensive examination requirement.

Concurrent Degrees:

This degree is also offered as concurrent degree with:

- Accountancy (MACC)
- Architecture (MArch)
- Information Management (MS)
- Juris Doctor (JD)
- Legal Studies (MLS)
- Taxation (MTax)

Admission Requirements:

All applicants are required to submit the ASU Graduate Education online application and the supplemental application materials required by the W. P. Carey Graduate Programs Office.

Minimum requirements for admission to the MBA full-time program are:

- official transcripts of all course work completed at institutions other than ASU
- GMAT or GRE test scores
- two letters of recommendation that comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program
- current resume
- essays
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Complete application instructions may be obtained from the department's website.

Students must fulfill both the requirements of Graduate Education and those of the W. P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
<http://wpcarey.asu.edu/mba-programs>
MCRD 365
wpcareymasters@asu.edu
480-965-3332

W. P. Carey MBA, MBA (BAONLINMBA)

Online Degree Search Title: W. P. Carey MBA - Online Program

Campus: ONLINE

Program Description:

The purpose of the W. P. Carey School of Business MBA program is to provide a solid foundation and knowledge base in the core business disciplines, to develop analytic capabilities, decision-making and leadership skill sets essential to making sound business decisions. The curriculum is delivered in a case-based, team-oriented learning environment. Elective courses provide additional depth and breadth to enhance an area of emphasis, students' knowledge base and career goals. The online MBA is designed for working professionals seeking to continue working full-time while attending school. The program starts in January and July and is completed in 22 months.

The MBA program is supported by each of the eight academic units within the W. P. Carey School of Business. Curriculum information can be found on the school website.

Degree Requirements: 48 credit hours including the required capstone course (MGT 589).

While there are no business course prerequisites, potential students must demonstrate strong quantitative ability and effective written and oral communication skills. To be successful in an online learning environment, students must also have computer proficiency and expertise in using spreadsheet, word processing and presentation software packages, email and an Internet browser.

The core courses are designed to provide a foundation in business knowledge and skills and must be taken in the prescribed sequence. Elective courses build upon the business core and center on the further development of an area of emphasis. The program is typically completed in less than two years.

The business school does not accept graduate credits earned while students are in nondegree status or courses taken prior to admission to the MBA program or taken while enrolled in another MBA program outside the W. P. Carey School of Business. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program and have the approval of the MBA program office.

Foreign Language Requirements

None.

Thesis Requirements

None.

Comprehensive Examination

All students must successfully complete the comprehensive requirement established by the school of business and Graduate Education for the MBA. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00) or higher satisfy the comprehensive examination requirement.

Concurrent Degrees:

This degree is also offered as concurrent degree with:

- Electrical Engineering (MSE)
- Industrial Engineering (MS)

Admission Requirements:

All applicants are required to submit the ASU Graduate Education online application and the supplemental application materials required by the W. P. Carey Graduate Programs Office.

Minimum requirements for admission to the full-time MBA program are:

- official transcripts of all course work completed at institutions other than ASU
- GMAT or GRE test scores
- two letters of recommendation that comment on the student's motivation, commitment, achievements, work experience and opportunity for success in the program.
- current resume
- essays
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Complete application instructions may be obtained from the department's website.

Students must fulfill both the requirements of Graduate Education and those of the W. P. Carey School of Business.

Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
<http://wpcarey.asu.edu/mba-programs>
MCRD 350
wpcareymasters@asu.edu
480-965-3332

W. P. Carey MBA, MBA (BASHANGMBA)

Online Degree Search Title: W. P. Carey MBA - Shanghai Program

Campus: TEMPE

Program Description:

The W. P. Carey School of Business at Arizona State University is directly involved in the development of top leadership in China. In 2003, the executive MBA program launched in Shanghai, China. The program is delivered in collaboration with Shanghai National Accounting Institute, an entity under the governance of China's Ministry of Finance.

The business leaders emerging from this program will shape U.S.-Sino trade relationships during China's continued global expansion. This academic program is the cornerstone of a number of new offerings that include knowledge transfer and access to the highest level of decision-makers in China.

This degree is only offered in China.

Degree Requirements: 48 credit hours including the required capstone course (MGT 589).

The curriculum consists of 12 courses. It is based on the integration of core management principles, with an immersion in accounting, finance, supply chain management, service marketing, customer relation management and management of services innovation. At the core of the curriculum delivery is emphasis on the practical applications with direct business connectivity. The curriculum also prides itself on its integration of global practices and local market characterizations, to enable participants' ability to excel in the modern economy.

In addition, the curriculum is designed with a strong interdisciplinary focus, while achieving cycle-time efficiency. Each course will be delivered in an intensive manner over two consecutive weekends, with four full days of face-to-face instruction supplemented by online instruction materials to enable learning interactions between faculty and participants.

All students must successfully complete the comprehensive requirement for the MBA established by the school of business and Graduate Education. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00 on a scale of 4.00) or higher satisfy the comprehensive examination requirement. A thesis is not required.

Admission Requirements:

This degree is only offered in China. All applicants are required to contact the program coordinator before submitting the Graduate Education online application.

Contact Information:

Business, W. P. Carey School of
WPC Graduate Programs
<http://wpcarey.asu.edu/international-programs/china/english/EMBA/overview>
BA 252D
chinaemba@asu.edu
480-965-4874

Design & the Arts, Herberger Institute for

Architecture, MArch (ARARCMARCH)

Online Degree Search Title: Architecture (MArch)

Campus: TEMPE

Program Description:

The MArch is an accredited professional degree program at ASU. There are two programs of study available:

- a two-year program for applicants who have completed the four-year BSD in architectural studies at ASU or an equivalent degree from another school that offers an accredited professional degree in architecture
- a three-plus-year program for applicants with an undergraduate degree in a discipline or field other than architecture

Both programs promote broad areas of knowledge, professional skill and a social awareness that the architect must command if architecture is to enhance contemporary life and remain an enduring and valid expression of society.

Degree Requirements: 56 credit hours including the required capstone course (ADE 622), or 78 credit hours including the required capstone course (ADE 622).

Two-year program

Requirements involve an average of 14 credit hours per semester. A summer internship is required after the first full year of study.

Students who can adequately demonstrate competence through experience or previous academic course work for any of the specific requirements outlined below are encouraged to petition the graduate coordinator for a course substitution.

Typical Plan of Study

First Year

Fall

ADE 521 Advanced Architectural Studio I (5)
ATE 553 Building Systems III (3)
ATE 563 Building Structures III (3)
ATE 598 Sustainability of the Built Environment (3)

Spring

ADE 522 Advanced Architectural Studio II (5)
APH 505 Foundation Theory Seminar (3)
ATE 556 Building Development (3)
Design Professional Elective* (3)

Summer

ARP 584 Clinical Internship (3) or ARP 598 ST: Arch Professional Practice

Second Year

FallAAD 515 Current Issues and Topics (3)
ADE 621 Advanced Architectural Studio III (5)
Design Professional Elective* (3)
Design Professional Elective** (3)

Spring

ADE 622 Advanced Architectural Studio IV (5)
AAD 652 Architectural Management II (3)
Design Professional Elective** (3)

*The list of Herberger Institute design electives can be found on the Herberger Institute for Design and the Arts website.

**Elective can be taken outside the college with graduate coordinator approval.

Three-plus-year program

The three-plus-year graduate program requires 24 credit hours of proficiency course work in addition to the master's-level course work, which make up the total number of 102 credit hours of approved courses and electives. For most students, this program involves 15 credit hours in the first summer and 14 to 15 credit hours in each of the subsequent six semesters. A summer internship is required after the second full year of study.

Students who can adequately demonstrate previous academic course work for any of the proficiencies are encouraged to petition the graduate coordinator for a course waiver.

Typical Plan of Study

Note: Courses shown in boldface are considered deficiencies and do not count toward official plan of study.

First Year

Summer

ADE 510 Foundation Architectural Studio (6)

ALA 236 Computers in Landscape Architecture (3)

APH 509 Foundation Seminar (3)

Fall

ADE 511 Core Architectural Studio (6)

APH 313 History of Architecture I (3)

ATE 361 Building Structures I (3)

ATE 451 Building Systems I (3)

Spring

ADE 512 Core Architectural Studio (6)

APH 314 History of Architecture II (3)

ATE 452 Building Systems II (3)

ATE 462 Building Structures II (3)

After the first summer and academic year, the three-plus -year curriculum merges with the two-year curriculum, and they become the same course of study.

Concurrent Degrees:

This degree is also offered as concurrent degree with W. P. Carey MBA - Full-Time Program

Admission Requirements:

Admissions Requirements to the Two-Year Program

Applicants must:

- Complete an online application to Graduate Education and hold an undergraduate or graduate degree from a college or university recognized by ASU.
- Have completed a minimum of a bachelor's degree (or equivalent) in architectural studies or similar preprofessional degree in architecture. The bachelor's degree must be granted by an institution that offers the National Architectural Accrediting Board (NAAB) accredited degree program in architecture.
- Meet the minimum GPA requirements as established by Graduate Education.
- Provide an official copy of GRE scores (unofficial copies will not be accepted). For more information, visit the GRE website or <https://uoeee.asu.edu/testing> (<https://uoeee.asu.edu/testing>).
- International students are required to submit an official Test of English as a Foreign Language (TOEFL) score. The minimum score for admission to the program is 80 (Internet-based) or 550 (paper-based). Other information for international applicants can be found at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).
- A portfolio, letter of intent and contact information of three references must also be submitted via SlideRoom (<https://asuherberger.slideroom.com>) (<https://asuherberger.slideroom.com>). The Design School requires that these be submitted in addition to the Graduate Education application requirements.

Admissions Requirements to the Three-Year Program

Applicants must:

- Complete an online application to Graduate Education and hold an undergraduate or graduate degree from a college or university recognized by ASU.
- Have completed a minimum of a bachelor's degree (or equivalent) in a field other than architectural studies.
- Meet the minimum GPA requirements as established by Graduate Education.
- Provide an official copy of GRE scores (unofficial copies will not be accepted). For more information, visit the GRE website or <https://uoeee.asu.edu/testing> (<https://uoeee.asu.edu/testing>).
- International students are required to submit an official Test of English as a Foreign Language (TOEFL) score. The minimum score for admission to the program is 80 (Internet-based) or 550 (paper-based). Other information for international applicants can be found at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).
- A portfolio, letter of intent and contact information of three references must also be submitted via SlideRoom (<https://asuherberger.slideroom.com>) (<https://asuherberger.slideroom.com>). The Design School requires that these be submitted in addition to the Graduate Education application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Applicants may be admitted to the two-year program with deficiencies if their previous course work is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary. Please keep in mind that this may cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://design.asu.edu/>
CDN 162
designgrad@asu.edu
480-727-7919

Art, MFA (HIARTMFA)

Online Degree Search Title: Art (MFA)

Campus: TEMPE

Program Description:

The Herberger Institute School of Art MFA program seeks to provide a stimulating and challenging environment for artistic and intellectual growth. We recognize contemporary art practice may emerge from within a distinct material practice, but usually involves working across a variety of media and methods. As a result, prospective students select an area of focus for their creative research and studio activity, but can expect to develop their own path through curriculum, availing themselves of human and facilities resources throughout the program. Areas of focus may be chosen from among a range of media and methods including:

- ceramics
- drawing
- fiber arts
- intermedia
- metal arts
- painting
- photography
- printmaking
- sculpture
- wood arts

With the realization that discipline, familiarity with historical precedents and freedom go hand in hand, the program strives to strike a balance between supporting the acquisition of skills and technique and encouraging independence, innovation and critical reflection. Responsibility is placed on the individual student to find personally meaningful content and an effective means to express that content within and across the art disciplines. Graduate students enjoy studio spaces determined by their area of focus, engaged creative research with faculty and access to graduate facilities.

Partnerships with the ASU Art Museum collections and staff, a strong guest artist schedule and other special professional development opportunities enhance the program.

Further information can be found in the program description on the school webpage.

Degree Requirements: 60 credit hours and an oral comprehensive exam (defense of MFA exhibition).

The 60 hours of graduate credit are subject to committee approval and must include:

- 10 to 15 hours of ART 680 Practicum, resulting in an MFA exhibition
- 18 to 27 graduate studio credit hours
- at least six credit hours of graduate-level academic course work
- nine to 18 credits of graduate-level ART seminars
- six credits of required courses in Contemporary Art Theory (3) and Cross-Practice Critique (3)

Admission Requirements:

Admission is a two-step process. Although applicants fill out one application through the online Graduate Education application process, they must be admitted into both the MFA program and Graduate Education.

- All applicants must complete the Graduate Education online application.
- A bachelor's from a regionally accredited college or university recognized by ASU is required.
- Minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 hours of a student's bachelor's program is required.

• The Test of English as a Foreign Language (TOEFL) is required for applicants whose native language is not English, regardless of where they may now reside: <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

Applications include the following components:

- current resume or curriculum vitae
- portfolio of 20 images sized with a maximum dimension of 1024 pixels; video files less than 60MB each; and accompanied by an image list
- statement of intent not exceeding 1,000 words that addresses the applicant's artistic interests, reasons for applying to graduate school in general and the ASU School of Art in particular, as well as professional goals
- three letters of recommendation from faculty members with whom the applicant has studied or from recognized professionals in the field*

*All the instructions for letters of recommendation must be followed when submitting with the application to Graduate Education.

The method for submission is online via SLIDEROOM: <https://asuherberger.slideroom.com>. (<https://asuherberger.slideroom.com>) Applicants may upload images (.jpg), video (.mov, .wmv, .flv), music (mp3) or PDF documents. The deadline to submit is Jan. 15 for fall admission; the School does not admit for the spring semester.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for

School of Art

<http://art.asu.edu/admissions/grad/applying/mfa.php>

ART 102

soagrad@asu.edu

480-965-8521

Art (Art Education), MA (FAARTEDMA)

Online Degree Search Title: Art Education (MA)

Campus: TEMPE

Program Description:

Students in the MA in art with a concentration in art education investigate issues in art teaching and learning from multiple perspectives, including art inquiry, studio, visual culture, development and context. The degree culminates with an original thesis study proposed and carried out by the student. Thesis studies may be conducted in a range of contexts where art learning takes place, such as K-12 art classrooms, art centers and museums, university studios or in a teacher's own classroom.

Degree Requirements: 30 credit hours, a thesis and a written comprehensive exam (qualifying research proposal).

The degree program requires:

18 hours of core courses

six hours of special topics on research related to integrating the teaching of studio art, art history and criticism or aesthetics

six hours of research and thesis

To meet the core requirements, students must take the following core courses:

ARE 510 Visual Culture Research (3)

ARE 520 Issues in Teaching Inquiry in Art (3)

ARE 525 Research on Art Instruction (3)

ARE 530 Issues in Teaching Studio Art (3)

ARE 535 Research on Teaching Studio Art (3)

ARE 540 Teaching Art in Cultural Contexts (3)

Before the end of the first semester of course work (six or more credit hours), a plan of study must be submitted to Graduate Education. Additional program requirements are indicated in the master's in art education guidelines.

Admission Requirements:

All applicants must submit a Graduate Education online application. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

An applicant must have a bachelor's from a regionally accredited college or university with a major of no fewer than 45 credit hours of art, including 12 hours of art history and six hours of art education. Additional hours may be required by the school.

An applicant must have a GPA of at least "B" (3.00) in undergraduate course work during the junior and senior years. Applicants who do not meet these requirements must submit scores from the MAT or the GRE.

Applicants should submit:

- a formal art education research paper for review
- resume
- statement of intent
- two letters of recommendation

If applying for scholarships, fellowships or assistantships, the application deadline is Jan. 15. Otherwise, art education reviews applications through April 1, for admission the following semester.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu>
ART 102
soagrad@asu.edu
480-965-8521

Art (Art History), MA (FAARTHISMA)

Online Degree Search Title: Art History (MA)

Campus: TEMPE

Program Description:

The MA in art with a concentration in art history is a comprehensive degree designed to train students to engage with visuality in multiple ways. It offers a diverse curriculum intended to foster critical understanding of aesthetics, production, patronage and consumption of art. Eleven internationally recognized faculty members offer classes across many cultures, time periods, and geographies, using multiple approaches and methodologies. The program stresses intersections between disciplines, borders, margins, points of mediation and technological developments throughout history. The graduate curriculum offers focused study in the areas of images and digital technologies, art in social and political contexts, and histories and theories of visual culture.

Degree Requirements: 30 credit hours, a thesis and a foreign language exam.

This program must include a minimum of 21 hours in art history, with at least 12 of these earned in 500-level seminars. At least one course must be taken in each of the four core areas:

- ancient and medieval
- Asia and Native Americas
- modern
- renaissance and baroque

Satisfactory completion of ARS 501 Methodologies and Art History is required during the first semester of residence. The remaining hours include ARS 599 Thesis, approved electives and other courses specified by the faculty.

Admission Requirements: • All applicants must submit a Graduate Education online application.

- Applicants must have a bachelor's degree from a regionally accredited university with an undergraduate major or minor in art history, or at least four upper-division art history courses in which a GPA of 3.00 or higher was maintained.
- GRE scores must be submitted in support of the application, along with three letters of recommendation.
- Applicants should submit one formal research paper for review.
- Applicants should submit a one-page statement of intent indicating their objectives for graduate study.
- Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

The application deadline is Jan. 15 for fall. The School of Art does not admit for spring.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art

<http://art.asu.edu>
ART 102
soagrad@asu.edu
480-965-8521

Art (Digital Technology), MFA (FADIGITMFA)

Online Degree Search Title: Art (Digital Technology) (MFA)

Campus: TEMPE

Program Description:

The MFA in art with a concentration in digital technology is offered by the School of Art in collaboration with the School of Arts, Media and Engineering. It is a hybrid degree that combines technological and artistic goals and requires students with skills and experience in both realms.

Applicants will be required to demonstrate accomplishment in art and technology, particularly in having developed new digital technology for the arts. Course work will be required in both the School of Art and the School of Arts, Media and Engineering. The School of Art offers graduate-level courses in digital audio, video, photography, animation, compositing and rapid prototyping. Graduate courses offered by the School of Arts, Media and Engineering focus on topics such as interactive media methodology and theory, sensing and understanding activity, perception and cognition for artists and designers, advanced programming, interaction design for media installations, and digital and physical fabrication.

Degree Requirements: 60 credit hours and an oral comprehensive exam.

Graduate credit is subject to committee approval and includes:

36 graduate studio credit hours in the major areas of concentration, of which 18 credit hours are ART studio classes and 18 credit hours are graduate-level courses in the School of Arts, Media and Engineering

six credit hours of ART 621 Seminar

six credit hours of graduate-level art history

six credit hours of ART 680 Practicum and six credit hours of AME 593 Applied Project, leading either to a final thesis exhibition or an applied project

Admission Requirements:

Admission is a two-step process. Although applicants fill out one application through the online Graduate Education application process, they must be admitted into the MFA program and Graduate Education.

- All applicants must complete the Graduate Education online application.
- A bachelor's from a regionally accredited college or university recognized by ASU is required.
- A minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 hours of a student's bachelor's program is required.
- The Test of English as a Foreign Language (TOEFL) is required for applicants whose native language is not English regardless of where they may now reside: <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).

Applications must include the following components:

- current resume or curriculum vitae
- portfolio of 20 images sized with maximum dimension of 1024 pixels; video files of less than 60MB each; and an image list that accompanies the portfolio
- statement of intent not exceeding 1,000 words that addresses the applicant's artistic interests, reasons for applying to graduate school in general and the ASU School of Art in particular, as well as professional goals
- three letters of recommendation from faculty members with whom the applicant has studied or from recognized professionals in the field*

*All the instructions for letters of recommendation must be followed when submitting with the application to Graduate Education.

Application for the digital technology concentration program must also include:

- a statement and evidence of work demonstrating digital technology skills beyond end user applications
- an art and digital technology resume

The method for submission is online via SLIDEROOM: <https://asuherberger.slideroom.com> (<https://asuherberger.slideroom.com>). Applicants may upload images (.jpg), video (.mov, .wmv, .fly), music (.mp3) or PDF documents. The deadline to submit is Jan. 15 for fall admission; the school does not admit for the spring semester.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu>

Built Environment (Energy Performance and Climate Responsive Architecture), MS (ARENERGYMS)

Online Degree Search Title: Built Environment (Energy Perf/Climate Responsive Arch) MS

Campus: TEMPE

Program Description:

The MS program in the built environment with a concentration in energy performance and climate-responsive architecture educates students to become experts in energy efficient building design and energy technology. The program is concerned with the relationships between climate and site, thermal and visual comfort in buildings, and energy demand and consumption of buildings. Courses in this concentration establish a basic core of knowledge of the principles of the natural energies available at the building boundary due to climate and site; thermal and optic behavior of building materials and components; passive and low-energy architectural systems for heating, cooling and lighting; and appropriate integration with mechanical systems. Additional courses are available to support advanced study and research in a variety of related specialties.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required applied project course (ATE 593).

Curriculum (Total of 30 credits)

First Year

Fall

ATE 521 Building Environmental Science (3)

ATE 550 Passive Heating and Cooling (3)

ATE 560 Building Energy Analysis (3)

Spring

ATE 562 Experimental Evaluation (3)

ATE 582 Environmental Control Systems (3)

ATE 598 ST: Building Energy Analysis II (3)

ATE 598 ST: Sustainability of the Built Environment (3)

Second Year

Fall

ATE 591 Seminar: Energy and Climate (1)*

ATE 599 Thesis (3-6)**

Spring

Elective (3)

ATE 599 Thesis (3-6)**

*This course is not required for the degree; however, it is a recommended elective. Three credits of electives are required.

**Thesis credits can be taken in either fall or spring semesters for a total of six credits. Completing a thesis is optional but strongly recommended; it can be substituted by an applied project of six credits (ATE 593).

Sample List of Electives:

CEE 598/SOS 598 Life Cycle Assessment for Civil Systems (3 credits), Spring

CEE 598/SOS 598 Applied Data Analysis for Energy Scientists (3 credits), Spring

DSC 558 Daylighting (3 credits), Fall

Admission Requirements:

All applicants must submit a Graduate Education online application.

All applicants must have completed a minimum of a baccalaureate or graduate degree from a college or university recognized by ASU, in one of the professions or fields of study outlined below:

- a five- or six-year National Architectural Accrediting Board-accredited professional degree in architecture (BArch or MArch)*
- a four-year Bachelor of Science in landscape architecture, or a master's in landscape architecture which must be granted by an institution that offers the Landscape Architectural Accreditation Board-accredited degree program in landscape architecture
- an engineering degree (BS or MS) with a background in building sustainability issues**
- a science degree (BS or MS) with a background in building sustainability issues

*See the NAAB website for more information.

**Mechanical and civil engineering and construction majors are particularly suited for application to this program.

Requirements:

- Applicants must meet the minimum GPA requirements as established by Graduate Education.
- Applicants must provide an official copy of GRE scores (unofficial copies will not be accepted). For more information, visit the GRE website or <https://uoeee.asu.edu/testing> (<https://uoeee.asu.edu/testing>).
- Additional application materials can be found online at: <http://herbergerinstitute.asu.edu/admissions/grad/applying/> (<http://herbergerinstitute.asu.edu/admissions/grad/applying/>).
- Students whose native language is not English (regardless of where they may now reside) are required to submit an official TOEFL score. The minimum score for admission to the program is 80 (Internet-based) or 550 (paper-based). Other information for International applicants can be found on the Graduate Education website.

Admission to the program is selective. Admission to the program cannot be deferred; students must enroll in the semester for which they are admitted. Otherwise, they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting The Design School.

Application Deadlines

All materials must be received by The Design School and Graduate Education by Jan. 15 for fall semester consideration. Priority will be given to students who have submitted all the required application materials to both Graduate Education and The Design School by deadline of Jan. 15. The master's program in built environment does not admit students for the spring semester or summer sessions.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://design.asu.edu/>
CDN 162
designgrad@asu.edu
480-727-7919

Composition, MM (FAMCOMPMM)

Online Degree Search Title: Music Composition (MM)

Campus: TEMPE

Program Description:

The MM in composition focuses on the development of skills necessary to pursue a career in music composition. Opportunities to collaborate with music scholars, theorists, performers, educators and other composers provide students with a broad and well-rounded foundation for advanced careers in music.

Degree Requirements: 32 credit hours, a thesis and a written comprehensive exam, or 32 credit hours, an applied project and a written comprehensive exam.

The degree credit requirements are distributed as follows:

nine hours of composition

eight hours of electives

nine hours of music theory and music history

six hours of thesis

The thesis is an original composition that demonstrates mastery of composing for the selected performance medium and the coherent organization of musical material.

Additional information on degree requirements for all graduate music programs may be found on the checksheets posted here:
<http://music.asu.edu/students/grad/checksheets.php> (<http://music.asu.edu/students/grad/checksheets.php>).

Admission Requirements:

Applicants who meet the following requirements are eligible to apply.

- U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country.

- B" (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work.
proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency:

- TOEFL score of at least 550 (PBT) or 80 (iBT)
- IELTS overall band score of at least 6.5
- Pearson Test of English (PTE) score of at least 60

The School of Music does not offer conditional admission under any circumstances.

Application Requirements

Materials due by Oct. 1 for spring admission and Dec. 1 for fall admission:

- Graduate Education admission application and application fee: <https://students.asu.edu/graduate/admissions>
(<https://students.asu.edu/graduate/admissions>)
- School of Music Application (including a resume and personal statement): <http://music.asu.edu/admissions/grad/applying/>
(<http://music.asu.edu/admissions/grad/applying/>)
- prescreening portfolio: <http://music.asu.edu/admissions/auditions/prescreening.php> (<http://music.asu.edu/admissions/auditions/prescreening.php>)

Materials required to complete your application for faculty review:

- three letters of recommendation
- official transcripts
- international applicants: proof of English proficiency <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Application Deadlines

The deadline for submission of the Graduate Education admission application, School of Music application and prescreening portfolio is Oct. 1 for spring admission and Dec. 1 for fall admission. For more information on application deadlines, see <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>). After receipt of complete application materials (including recommendation letters, transcripts and English proficiency) and review of prescreening materials, an applicant may be invited for an interview.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Composition (Interdisciplinary Digital Media and Performance), MM (FADIGITMM)

Online Degree Search Title: Music (Interdisciplinary Dig. Media and Perf.) (MM)

Campus: TEMPE

Program Description:

The MM in composition with a concentration in interdisciplinary digital media and performance is designed for students who have interests and skills in unique cross sections of the arts and sciences. The degree expands the School of Music offerings to include areas beyond typical music course work, allowing for expanded opportunities for personal growth. It also allows the School of Music and its students to be actively involved in current developments in the ever-changing field of media. The state-of-the-art media facilities of the School of Arts, Media and Engineering and its hybrid arts-engineering faculty and courses are invaluable assets to music students, with resources that complement existing and future courses in electronic music.

Degree Requirements: 32 credit hours, a thesis and a written comprehensive exam, or 32 credit hours, a thesis, a written comprehensive exam and an oral comprehensive exam.

The degree credit requirements are distributed as follows:

12 hours in arts media and engineering core

five or six hours in electives

eight or nine hours in music theory and music history

six hours in thesis

Additional information on degree requirements for all graduate music programs may be found on the checksheets posted here:

<http://music.asu.edu/students/grad/checksheets.php> (<http://music.asu.edu/students/grad/checksheets.php>).

Admission Requirements:

Applicants who meet the following requirements are eligible to apply.

- U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country
- B" (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside), must provide proof of English proficiency:

- TOEFL score of at least 550 (PBT) or 80 (iBT)
- IELTS overall band score of at least 6.5
- Pearson Test of English (PTE) score of at least 60

The School of Music does not offer conditional admission under any circumstances.

Application Requirements

Materials due by Oct. 1 for spring admission and Dec. 1 for fall admission:

- Graduate Education application and application fee: <https://students.asu.edu/graduate/admissions> (<https://students.asu.edu/graduate/admissions>)
- School of Music Application (including a resume and personal statement): <http://music.asu.edu/admissions/grad/applying/> (<http://music.asu.edu/admissions/grad/applying/>)
- prescreening portfolio: <http://music.asu.edu/admissions/auditions/prescreening.php> (<http://music.asu.edu/admissions/auditions/prescreening.php>)

Materials required to complete the application for faculty review:

- three letters of recommendation
- official transcripts
- international applicants: proof of English proficiency <https://students.asu.edu/graduate/proficiency> ([https://students.asu.edu/graduate/proficiency" target="_blank](https://students.asu.edu/graduate/proficiency))

Application Deadlines

The deadline for submission of the Graduate Education online application, School of Music Application and Prescreening Portfolio is Oct. 1 for spring admission and Dec. 1 for fall admission. For more information on application deadlines, see <http://music.asu.edu/admissions/deadlines> ([http://music.asu.edu/admissions/deadlines" target="_blank](http://music.asu.edu/admissions/deadlines)).

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for

School of Music

<http://ame.asu.edu/>

MUSIC E167

MusicAdmissions@asu.edu

480-965-5069

Dance, MFA (FADANCEMFA)

Online Degree Search Title: Dance (MFA)

Campus: TEMPE

Program Description:

The MFA in dance at ASU is a highly flexible program that enriches creative and embodied practices through an integrated curriculum, connecting intuitive, kinesthetic and intellectual experiences. ASU School of Film, Dance and Theatre seeks individuals who are self-motivated, have clear and demonstrated objectives, and are willing to explore new possibilities in the field of dance. This program also recognizes and encourages individual strengths and professional experience. The School of Film, Dance and Theatre welcomes a diversity of applicants with interest in:

Creating:

- dance and art making
- dance technologies
- improvisation and real-time composing
- interdisciplinarity and hybridity
- performance
- socially-engaged and community arts practices
- sound design

Framing and Contextualizing:

- dance and related histories
- dance anthropology and ethnography
- dance pedagogy
- movement analysis and critical inquiry
- musical methods
- performance and cultural studies
- philosophy of dance
- educational and professional partnerships

Moving:

- contemporary ballet
- postmodern contemporary dance
- somatic practices
- urban arts practices

Degree Requirements: 60 credit hours and a bound document.

Incoming students take course work in dance and related fields, which has been designed to provide a broad and fundamental preparation for future careers in:

- arts administration
- arts presenting
- community partnerships
- cross-cultural and ethnographic research
- independent creative practices
- multimedia and technology
- preK-20 private and public sector education
- professional performance companies
- social work and public programs
- wellness and health care

The MFA applied project in dance serves as the culminating experience in the graduate dance curriculum. Students have the opportunity to select the format and structure of their project in conjunction with their Master of Fine Arts committee. The applied project takes into consideration the future goals of the student and serves as a bridge to careers beyond graduate school.

Admission Requirements:

To apply for admission to the Master of Fine Arts in dance program, a student must complete an online Graduate Education application and supply official copies of all transcripts from previous institutions to Graduate Education. Applicants whose native language is not English (regardless of where they now reside) must provide proof of English proficiency.

The School of Film, Dance and Theatre requires:

- a current resume
- web-based documentation of recent work, including one solo piece and one group piece, or other forms and types of creative research
- three letters of recommendation from professionals in the field
- a personal artistic statement

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
School of Film, Dance and Theatre
<http://dance.asu.edu/>
GHALL 232
dance@asu.edu
480-965-5337

Dance (Interdisciplinary Digital Media and Performance), MFA (FADANDIMFA)

Online Degree Search Title: Dance (Interdisciplinary Digital Media and Perform.) (MFA)

Campus: TEMPE

Program Description:

The MFA in dance with a concentration in interdisciplinary digital media and performance builds on the strength of the School of Film, Dance and Theatre and expands into the specific area of new media practices. The concentration provides a select group of graduate students with a rigorous, in-depth opportunity to specialize in dance as well as interdisciplinary digital arts.

The interdisciplinary classes and research activities of the transdisciplinary School of Arts, Media and Engineering that form part of this concentration give students access to advanced media equipment, studios, project funding and interdisciplinary collaborators.

Degree Requirements: 60 credit hours and a bound document.

The degree involves three years of residency:

- a final MFA applied project (8)
- a written document
- an oral defense
- 18 credit hours of required course work in the concentration taught by AME
- 15 credits of electives
- 19 required credit hours in the School of Dance
- ongoing showings of work

The current MFA is normally accomplished during three years of residency in the School of Film, Dance and Theatre. Ongoing showings of creative work are required. Foundational course work is offered in areas of:

- creative practice
- movement practices
- pedagogy
- professional development
- technology
- theory

Students enrolled in the program specialize in areas related to independent research. The Master of Fine Arts applied project, which may involve producing original choreography, presenting a lecture demonstration on a body of research or another form of original work, acts as the culminating experience of the program. Thesis presentation, a final written document, reflective in nature, as well as an oral defense complete the process.

Admission Requirements:

To apply for admission to the Master of Fine Arts program in dance, interdisciplinary digital media and performance, a student must complete an online Graduate Education application and supply official copies of all transcripts from previous institutions to Graduate Education.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

The School of Film, Dance and Theatre requires:

- a current resume
- DVD of recent work, including one solo piece and one group piece
- three letters of recommendation from professionals in the field
- a personal artistic statement that relates to School of Dance core values as described by the Learning Lens

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
School of Film, Dance and Theatre

<http://dance.asu.edu/>
GHALL 232
dance@asu.edu
480-965-5337

Design (Arts, Media and Engineering), MSD (ARDESAMMSD)

Online Degree Search Title: Design (Arts, Media and Engineering) (MSD)

Campus: TEMPE

Program Description:

The arts, media and engineering concentration focuses on the integration and application of humanistic, computational and design knowledge in tackling complex problems. The concentration provides opportunities for exploring experiential media systems through theoretical analysis, creative engagement and practical development. AME students combine design excellence with technical rigor in creating hybrid objects, adaptive systems and responsive environments.

Graduating students will be prepared to lead innovative design and development initiatives at corporations and other institutions at the forefront of media culture.

Degree Requirements: 36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).

Students may choose to complete their graduate work by way of a thesis or an applied project. A master's thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes both a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

Admission Requirements:

MSD Program Requirements

- All applicants must submit an online application to Graduate Education and hold an undergraduate or graduate degree from a college or university recognized by ASU.

All applicants must have completed a program in design and must hold a bachelor's in graphic design, industrial design, interior design or a related design discipline. When applying for admission, applicants must declare one of seven concentrations:

- arts, media and engineering
- design of health care and healing environments
- industrial design
- interaction design
- interior design
- new product innovation
- visual communication design
- Applicants must meet the minimum GPA requirements as established by Graduate Education.
- No GRE is required.
- Applicants whose native language is not English (regardless of where they may now reside) are required to submit an official Test of English as a Foreign Language (TOEFL) score. The minimum score for admission to the program is 80 (Internet-based) or 550 (paper-based). Other information for international applicants can be found at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).
- A portfolio, letter of intent and contact information for three references must be submitted via SlideRoom (<https://asuherberger.slideroom.com>) (<https://asuherberger.slideroom.com>)). The Design School requires that these items are submitted in addition to the Graduate Education application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Teaching or Research Assistantships

Applicants wishing to be considered for teaching or research assistantships should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant. All interested applicants can apply for a teaching assistantship position online. The link to the application will be provided on the MSD website.

All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit (SPEAK) score, which is administered at ASU. Students also have the option of completing the Test of Spoken English, administered directly by the Educational Testing Service. For this group, no personnel action form will be signed until this examination has been successfully completed.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the Academic Catalog Archive 2014-2015 277

department.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://design.asu.edu/>
CDN 162
designgrad@asu.edu
480-727-7919

Design (Design of Healthcare and Healing Environments), MSD (ARHHEMSD)

Online Degree Search Title: Healthcare and Healing Environments (MSD)

Campus: TEMPE

Program Description:

The MSD with a concentration in design of health care and healing environments is focused on the science and experiences behind the built environment's real and perceived impacts on health and wellness. To this end, the concentration in design of health care and healing environments emphasizes the intersection and integration of evidence-based research and practice, interdisciplinary studies, best practices, and innovation in supporting and advancing the design of healthy environments, products and processes. This concentration explores and synthesizes principles from a variety of disciplines including innovation, architecture, design, communication, human behavior, policy, quality and performance improvement, among others -in arriving at a thorough understanding of the critical issues facing the health care industry. Students in this concentration will have opportunities to:

- be mentored by local health care design consultants
- communicate with forward-thinking health care research centers
- engage directly with real clients
- interact with prominent health care organizations
- participate in industry conferences
- team with nursing and health innovation faculty and students

Degree Requirements: 36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).

Students may choose to complete the graduate work by way of a thesis or an applied project. A master's thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

Admission Requirements:

MSD Program Requirements

• All applicants must submit the Graduate Education online application and hold an undergraduate or graduate degree from a college or university recognized by ASU.

• All applicants must have completed a program in design and must hold a bachelor's in graphic design, industrial design, interior design or a related design discipline. When applying for admission, applicants must declare one of seven concentrations:

- arts, media and engineering
- design of health care and healing environments
- industrial design
- interaction design
- interior design
- new product innovation
- visual communication design

• All applicants must meet the minimum GPA requirements as established by Graduate Education.

• Applicants whose native language is not English (regardless of where they may now reside) must submit an official Test of English as a Foreign Language (TOEFL) score. The minimum score for admission to the program is 80 (Internet-based) or 550 (paper-based). Other information for international applicants can be found at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).

• A portfolio, letter of intent and contact information for three references need be submitted to SlideRoom (<https://asuherberger.slideroom.com>) (<https://asuherberger.slideroom.com>). The Design School requires that these be submitted in addition to the Graduate Education application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Teaching or Research Assistantships

Applicants wishing to be considered for teaching or research assistantships should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant. All interested applicants can apply for a teaching assistantship position online. The link to the application will be provided on the MSD website.

All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit (SPEAK) score, which is administered at ASU. Students also have the option of completing the Test of Spoken English, administered directly by the Educational Testing Service. For this group, no personnel action form will be signed until this examination has been successfully completed.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://design.asu.edu/>
CDN 162
designgrad@asu.edu
480-727-7919

Design (Industrial Design), MSD (ARINDDMSD)

Online Degree Search Title: Industrial Design (MSD)

Campus: TEMPE

Program Description:

The MSD with a concentration in industrial design is meant for individuals interested in advanced studies in:

- criticism and methodology
- design processes
- history
- human factors
- technology
- theory

This concentration develops an understanding of contemporary industrial design issues through specialized research and design skills. It also prepares the graduate student for a career in industrial design education.

Degree Requirements: 36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).

Students may choose to complete their graduate work by way of a thesis or an applied project. A master's thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

Admission Requirements:

MSD Program Requirements

- All applicants must submit an online application to Graduate Education and hold an undergraduate or graduate degree from a college or university recognized by ASU.
- All applicants must have completed a program in design and must hold a bachelor's in graphic design, industrial design, interior design or a related design discipline. When applying for admission, applicants must declare one of seven concentrations:

- arts, media and engineering
- design of health care and healing environments
- industrial design
- interaction design
- interior design
- new product innovation
- visual communication design

- Applicants must meet the minimum GPA requirements as established by Graduate Education.
- Applicants whose native language is not English (regardless of where they may now reside) are required to submit an official Test of English as a Foreign Language (TOEFL) score. The minimum score for admission to the program is 80 (Internet-based) or 550 (paper-based). Other information for international applicants can be found at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).
- A portfolio, letter of intent, and contact information for three references must also be submitted via SlideRoom (<https://asuherberger.slideroom.com> (<https://asuherberger.slideroom.com>)). The Design School requires that these be submitted in addition to the Graduate Education application requirements.

No GRE test is required.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Teaching or Research Assistantships

Applicants wishing to be considered for teaching or research assistantships should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant. All interested applicants can apply for a teaching assistantship position online. The link to the application will be provided on the MSD website.

All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit (SPEAK) score, which is administered at ASU. Students also have the option of completing the Test of Spoken English, administered directly by the Educational Testing Service. For this group, no personnel action form will be signed until this examination has been successfully completed.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://design.asu.edu/>
CDN 162
designgrad@asu.edu
480-727-7919

Design (Interaction Design), MSD (ARDSCIMSD)

Online Degree Search Title: Design (Interaction Design) (MSD)

Campus: TEMPE

Program Description:

Interaction design is about people and how people connect through products and services. The interaction design concentration focuses on the study of principles, tools, complexities and change that prepare students for endeavors such as creating effective physical and virtual shopping, creating effective information retrieval systems and numerous such human-spatial interactions. Design principles guide the students in the methods of creating dynamic, expressive and communicative forms.

Degree Requirements: 36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).

Students may choose to complete their graduate work by way of a thesis or an applied project. A master's thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

Admission Requirements:

MSD Program Requirements

- All applicants must submit the Graduate Education online application and hold an undergraduate or graduate degree from a college or university recognized by ASU.

All applicants must have completed a program in design and must hold a bachelor's in graphic design, industrial design, interior design or a related design discipline. When applying for admission, applicants must declare one of seven concentrations:

- arts, media and engineering
- design of health care and healing environments
- industrial design

- interaction design
- interior design
- new product innovation
- visual communication design
- All applicants must meet the minimum GPA requirements as established by Graduate Education.
- Applicants whose native language is not English (regardless of where they may now reside) are required to submit an official Test of English as a Foreign Language (TOEFL) score of at least 80 (Internet-based) or 550 (paper-based). Other information for international applicants can be found on the Graduate Education website at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).
- A portfolio, letter of intent and contact information for three references need be submitted to SlideRoom (<https://asuherberger.slideroom.com>) (<https://asuherberger.slideroom.com>). The Design School requires that these be submitted in addition to the Graduate Education application requirements.

No GRE test is required.

Students must fulfill the requirements of both Graduate Education and those of the Herberger Institute for Design and the Arts.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Teaching or Research Assistantships

Applicants wishing to be considered for teaching or research assistantships should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant. All interested applicants can apply for a teaching assistantship position online. The link to the application will be provided on the MSD website.

All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit (SPEAK) score, which is administered at ASU. Students also have the option of completing the Test of Spoken English, administered directly by the Educational Testing Service. For this group, no personnel action form will be signed until this examination has been successfully completed.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://design.asu.edu/>
CDN 162
designgrad@asu.edu
480-727-7919

Design (Interior Design), MSD (ARINTDEMMSD)

Online Degree Search Title: Interior Design (MSD)

Campus: TEMPE

Program Description:

The MSD with a concentration in interior design is a research degree that addresses the discovery and inquiry of how people relate to space. The program encourages the investigation of creativity, innovation and critical thinking while acknowledging the importance of cultural and historical precedent. This concentration develops an understanding of contemporary interior design issues through specialized research and design skills. This concentration prepares students with prior interior design training for more specialized career fields and for a career in academia.

Degree Requirements: 36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).

Students may choose to complete their graduate work by way of a thesis or an applied project. A master's thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to creatively apply research to a design situation.

Admission Requirements:

MSD Program Requirements

- All applicants must submit an online application to Graduate Education and hold an undergraduate or graduate degree from a college or university recognized by ASU.
- All applicants must have completed a program in design and must hold a bachelor's in graphic design, industrial design, interior design or a related design discipline. When applying for admission, applicants must declare one of seven concentrations:

- arts, media and engineering
- design of health care and healing environments
- industrial design
- interaction design
- interior design
- new product innovation
- visual communication design
- Applicants must meet the minimum GPA requirements as established by Graduate Education.
- Applicants whose native language is not English (regardless of where they may now reside) are required to submit an official Test of English as a Foreign Language (TOEFL) score. The minimum score for admission to the program is 80 (Internet-based) or 550 (paper-based). Other information for international applicants can be found at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).
- A portfolio, letter of intent, and contact information for three references must also be submitted via SlideRoom (<https://asuherberger.slideroom.com> (<https://asuherberger.slideroom.com>)). The Design School requires that these be submitted in addition to the Graduate Education application requirements.

No GRE test is required.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Teaching or Research Assistantships

Applicants wishing to be considered for teaching or research assistantships should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant. All interested applicants can apply for a teaching assistantship position online. The link to the application will be provided on the MSD website.

All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit (SPEAK) score, which is administered at ASU. Students also have the option of completing the Test of Spoken English, administered directly by the Educational Testing Service. For this group, no personnel action form will be signed until this examination has been successfully completed.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://design.asu.edu/>
CDN 162
designgrad@asu.edu
480-727-7919

Design (New Product Innovation), MSD (ARDSCNMSD)

Online Degree Search Title: Design (New Product Innovation) (MSD)

Campus: TEMPE

Program Description:

The MSD with a concentration in new product innovation is a research-oriented graduate degree. In this degree program, students will apply the concepts learned in the core and required courses through the execution of an applied project, which could be the design and development of a new product, a new method of doing design research, new design guidelines for medical devices, etc. The focus is on application, and students will present evidence of knowledge of principles in new product innovation, strategy for implementation or methods of design evaluation. Students will present the projects through a design presentation, executive summary and project document.

Degree Requirements: 36 credit hours including the required applied project course (DSC 593).

This project-based concentration teaches graduate students about the role of design and innovation in the process of new product development within the context of a quickly evolving global economy.

Students complete their graduate work with an applied project. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to creatively apply research to a design opportunity.

Admission Requirements:

MSD Program Requirements

- All applicants must submit the Graduate Education online application and hold an undergraduate or graduate degree from a college or university recognized by ASU.
- All applicants must have completed a program in design and must hold a bachelor's in graphic design, industrial design, interior design or a related design discipline. When applying for admission, applicants must declare one of seven concentrations:
 - arts, media and engineering
 - design of health care and healing environments
 - industrial design
 - interaction design
 - interior design
 - new product innovation
 - visual communication design
- All applicants must meet the minimum GPA requirements as established by Graduate Education.
- Applicants whose native language is not English (regardless of where they may now reside) are required to submit an official Test of English as a Foreign Language (TOEFL) score of at least 80 (Internet-based) or 550 (paper-based). Other information for international applicants can be found at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).
- A portfolio, letter of intent and contact information for three references need be submitted to SlideRoom (<https://asuherberger.slideroom.com>) (<https://asuherberger.slideroom.com>). The Design School requires that these be submitted in addition to the Graduate Education application requirements.

No GRE test is required.

Students must fulfill the requirements of both Graduate Education and those of the Herberger Institute for Design and the Arts.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Teaching or Research Assistantships

Applicants wishing to be considered for teaching or research assistantships should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant. All interested applicants can apply for a teaching assistantship position online. The link to the application will be provided on the MSD website.

All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit (SPEAK) score, which is administered at ASU. Students also have the option of completing the Test of Spoken English, administered directly by the Educational Testing Service. For this group, no personnel action form will be signed until this examination has been successfully completed.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://design.asu.edu/>
CDN 162
designgrad@asu.edu
480-727-7919

Design (Visual Communication Design), MSD (ARVCDMSD)

Online Degree Search Title: Design (Visual Communication Design) (MSD)

Campus: TEMPE

Program Description:

The MSD with a concentration in visual communication design is meant for individuals interested in advanced studies in visual language, history,
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theory, criticism and methodology, design processes and technology. This concentration develops an understanding of contemporary graphic design issues through specialized research and design skills. It also prepares the graduate student for a career in graphic design education.

Degree Requirements: 36 credit hours and a thesis, or 36 credit hours including the required applied project course (DSC 593).

Students may choose to complete their graduate work by way of a thesis or an applied project. A master's thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

Admission Requirements:

Applicants must submit an online Graduate Education application.

Applicants to the master's program in design must hold a bachelor's in graphic design, industrial design, interior design or a related design discipline. When applying for admission, applicants must declare one of seven concentrations:

- arts, media and engineering
- design of health care and healing environments
- industrial design
- interaction design
- interior design
- new product innovation
- visual communication design

Further information can be found in the program description on the school Web page.

Admission is a two-step process. Although applicants fill out one application through the online Graduate Education application process, they must be admitted into both the concentration in the MSD program and Graduate Education.

MSD Program Requirements

- A 3.00 or higher undergraduate GPA is required.
- A minimum score of 550 on the paper-based Test of English as a Foreign Language (TOEFL) or 80 on the Internet-based test is required for applicants whose native language is not English, regardless of where they may now reside.
- Additional application materials can be found online at <http://herbergerinstitute.asu.edu/admissions/grad/applying/> (<http://herbergerinstitute.asu.edu/admissions/grad/applying/>).

GRE scores are not required.

Applicants are required to submit the following materials in addition to Graduate Education requirements:

- A portfolio, letter of intent and contact information for three references should be submitted via SlideRoom (<https://asuherberger.slideroom.com> (<https://asuherberger.slideroom.com>)).
- Applicants wishing to be considered for teaching or research assistantships should submit an additional statement outlining areas in which they feel competent to serve as a teaching or research assistant and inexpensive copies of samples of work that will not be returned. All interested applicants can apply for a teaching assistantship position online. The link to the application will be provided on the MSD website.
- All international teaching or graduate assistants whose primary language is not English are required to be certified in their English language abilities. Those individuals whose native language is not English will be required to submit a Speaking Proficiency English Assessment Kit (SPEAK) score, which is administered at ASU. Students also have the option of completing the Test of Spoken English, administered directly by the Educational Testing Service. For this group, no personnel action form will be signed until this examination has been successfully completed.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Students must fulfill the requirements of both Graduate Education and those of the Herberger Institute for Design and the Arts.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://design.asu.edu/>

Design, Environment and the Arts, PHD (HIDEAPHD)

Online Degree Search Title: Design, Environment and the Arts (PhD)

Campus: TEMPE

Program Description:

The PhD in design, environment and the arts is an individualized institute-wide interdisciplinary degree that integrates graduate courses and faculty research with expertise in design; health care and healing environments; history, theory and criticism; and digital culture in design. Broad in scope, the program is at the cutting edge of creating new knowledge in architecture, design and the arts. It complements interdisciplinary research in other disciplines within the university. The program provides research experience for students wishing to pursue careers in industry as members of interdisciplinary design teams on environmental and energy issues, as well as for those wishing to teach in the architecture, design or the arts fields. Applicants should apply to the degree appropriate to their area of research interest.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students must be thoroughly familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program. Up to 30 credit hours from a previously awarded master's can count towards the requirements of the doctoral program.

Of the 54 credit hours remaining after the master's, 12 must be dissertation credit and 12 may be research. These 24 hours plus the remaining 30 hours must be completed after admission to the program. No transfer credits are allowed to fulfill the 54-credit-hour minimum requirement completed after admission to the program.

The student is required to take 15 credit hours in the focus area and a minimum of nine credit hours of specialized course work outside the area of focus; a minimum of six credit hours in current research and research methods is required.

Each student entering the program is required to submit a plan of study during the first year.

Admission Requirements:

Applicants must submit an online Graduate Education application.

Students are admitted to the program only upon completion of a master's in architecture, graphic design, industrial design, interior design, landscape architecture, fine arts or upon the demonstration of equivalent standing. Students must be familiar with design and the arts and will be expected to demonstrate a high level of academic maturity before being admitted to the program.

The doctoral executive committee evaluates the applications and supporting materials during the early spring for fall semester admissions.

Admission decisions are based on:

- the ability of the potential mentor to devote time to the student
- the compatibility of the applicant's career goals with the purpose of the degree program
- GRE scores
- previous academic training and performance
- recommendation letters
- the research mission of the institute and the research interests of faculty

The recommendations of the committee are forwarded to the program director for approval. Upon the written recommendation from the program director, the vice provost of Graduate Education will notify all applicants in writing of the admission decision.

In addition to submitting the Graduate Education online application and meeting Graduate Education requirements, applicants must submit the following doctoral application requirements online at the time of application. The application will be considered incomplete if one of these items is missing:

- a statement of purpose summarizing career objectives and the reasons for pursuing doctoral education
- an indication of proposed concentration (design, history, theory and criticism, digital culture in design, or health care and healing environments)
- an indication of a potential mentor in the Herberger Institute for Design and the Arts*
- three letters of recommendation (preferably academic, although could be professional)**
- a sample of sole-authored written work in English or any other evidence relevant to admission to the program (i.e., master's thesis, research paper or published articles)
- GRE scores (required)
- proof of English language proficiency***

*We recommend that the student email the faculty members who the student feels have related research interests, to introduce themselves and to
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inquire about the faculty member's availability to be a mentor.

****Students will provide the names and contact information of three recommenders at the time of their online application. Recommenders will receive an email with a link to the online letter of recommendation to complete. Students are able to see which recommenders have already completed their recommendation by logging into the My ASU system and viewing their "To Do" list. Once a recommender has submitted the letter of recommendation, the recommender's name will be removed from the "To Do" list. All letters must be in English.**

*****A Test of English as a Foreign Language (TOEFL) score of at least 100 iBT or 600 PBT or an overall International English Language Testing System band score of 7.50, with no individual band below 7.00, is required of all applicants whose native language is not English (<https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)). International applicants who are interested in receiving funding as teaching assistants must take the Speaking Proficiency English Assessment Kit (SPEAK), administered at ASU, and become certified. Additional information is available on the department website.**

Minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 hours of a student's bachelor's degree program.

Identification of a proposed research topic, or list of possible topics, that aligns with the research mission of the doctoral program and the research interests of faculty.

Student must have identified a program faculty member who has agreed to serve as a mentor.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
http://herbergerinstitute.asu.edu/degrees/phd_environmental/
CDN 162
design.grad@asu.edu
480-727-8782

Design, Environment and the Arts (Digital Culture in Design), PHD (HIENVDGPHD)

Online Degree Search Title: Design, Environment and the Arts (Digital Culture in Design) (PhD)

Campus: TEMPE

Program Description:

The PhD in design, environment and the arts with a concentration in digital culture in design focuses on the role of computational systems in enhancing creativity and the quality of human design. Graduates of the program should be thinkers as well as doers; they should learn to question the existing paradigms that govern the digital world as they impact design and the arts; they should be able to analyze systematically how digital tools affect the way designers and artists think, conceptualize, create and evaluate their designs and artwork; and, as a result, be able to come to a unique synthesis, leading the way in these fields.

This concentration will primarily explore the impact of digital culture on how built environments, products and visual communications are designed and analyzed by design professionals and are utilized by their intended audience. Students should be able to systematically question existing paradigms and ontology's of digital tools, evaluate the new paradigms that emerge as a result of digital culture, and propose new frameworks for design disciplines. Issues such as user interface design for new products, computer simulation of performance of buildings and products, effects of digital tools on architectural form giving, digital design processes, better incorporation of human factors into design tools, usability and interaction design are some examples of faculty expertise and areas of focus.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The doctoral program in design, environment and the arts with a concentration in digital culture in design requires the following:

required doctoral core courses (6)
required concentration core courses (12)
research and approved electives (24)
799 Dissertation (12)
a previously awarded master's or approved relevant course work (30)

Students must be thoroughly familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program. Up to 30 credit hours from a previously awarded master's can count towards the requirements of the doctoral program.

Of the 54 credit hours remaining after the master's, 12 must be dissertation credit and 12 may be research. These 24 hours plus the remaining 30

hours must be completed after admission to the program. No transfer credits are allowed to fulfill the 54-credit-hour minimum requirement completed after admission to the program.

The student is required to take 12 credit hours in the concentration and a minimum of nine credit hours of specialized course work outside the concentration; a minimum of six credit hours in current research and research methods is required.

Each student entering the program is required to submit a plan of study during the first year.

Admission Requirements:

Applicants must submit an online Graduate Education application.

Students are admitted to the program only upon completion of a degree in architecture, graphic design, industrial design, interior design, landscape architecture or fine arts, or upon the demonstration of equivalent standing. Students must be familiar with design and the arts and will be expected to demonstrate a high level of academic maturity before being admitted to the program.

The doctoral executive committee evaluates the applications and supporting materials during the spring for fall semester admissions. Admission decisions are based on:

- the ability of the potential mentor to devote time to the student
- the compatibility of the applicant's career goals with the purpose of the degree program
- GRE scores
- previous academic training and performance
- recommendation letters
- the research mission of the institute and the research interests of faculty

The recommendations of the committee are forwarded to the program director for approval. Upon the written recommendation from the program director, the vice provost for Graduate Education will notify all applicants in writing of the admission decision.

In addition to submitting the Graduate Education online application and meeting Graduate Education requirements, applicants must submit the following doctoral application requirements online at the time of application. The application will be considered incomplete if one of these items is missing:

- a statement of purpose summarizing career objectives and the reasons for pursuing doctoral education
- an indication of proposed area of concentration (design, history, theory and criticism, digital culture in design, or health care and healing environments)
- an indication of a potential mentor in the Herberger Institute for Design and the Arts*
- three letters of recommendation (preferably academic, although could be professional)**
- a sample of sole-authored written work in English or any other evidence relevant to admission to the program (i.e., master's thesis, research paper or published articles)
- GRE scores (required)
- proof of English language proficiency***

*We recommend that you email the faculty member(s) who you feel have related research interests, to introduce yourself and to inquire about their availability to be a mentor to you.

**Students will provide the names and contact information of three recommenders at the time of their online application. Recommenders will receive an email with a link to the online letter of recommendation to complete. Students are able to see which recommenders have already completed their recommendation by logging into the MyASU system and viewing their "To Do" list. Once a recommender has submitted the letter of recommendation, the recommender's name will be removed from the "To Do" list. All letters must be in English.

***A Test of English as a Foreign Language (TOEFL) score of at least 100 iBT or 600 PBT or an overall International English Language Testing System (IELTS) band score of 7.50, with no individual band below 7.00, is required of all applicants whose native language is not English (<https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)). International applicants who are interested in receiving funding as teaching assistants must take the Speaking Proficiency English Assessment Kit (SPEAK), administered at ASU, and become certified. Additional information is available on the department website.

A minimum of a bachelor's (or equivalent) or a graduate degree from a regionally accredited college or university is required. Bachelor's must be in the field of architecture, graphic design, industrial design, interior design, landscape architecture, arts media or engineering.

Applicants should have a minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 hours of a student's bachelor's degree program.

Students should identify a proposed research topic, or list of possible topics, that aligns with the research mission of the program and the research interests of faculty.

Student must have identified a doctoral program faculty member who has agreed to serve as a mentor.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
http://herbergerinstitute.asu.edu/degrees/phd_environmental/
CDN 162
design.grad@asu.edu
480-727-8782

Design, Environment and the Arts (Healthcare and Healing Environments), PHD (ARENHHEPHD)

Online Degree Search Title: Design, Environment and the Arts (Healthcare and Healing Environments) (PHD)

Campus: TEMPE

Program Description:

The health care and healing environments concentration under the PhD in design, environment and the arts degree focuses on the integration of evidence-based design, sustainable science and best practices benchmarks when planning health care facilities. Facility-related responsibilities supported by this area cluster into seven functional work units:

- facilities analysis (physical and environmental)
- human factors and user needs
- interior planning and design
- programming (long-range planning)
- research methodologies
- space management and planning
- strategic planning

This multidisciplinary program integrates the principles of medical and clinical innovations, interior architecture, human health services, communication studies, architecture and behavioral and engineering sciences. Students in this program will be mentored by local health care design consultants, teaming with nursing students, working directly with real clients and corresponding with forward-thinking health care research centers. Graduating students will be able to:

- address contemporary issues facing the health care industry
- address health care environments on multiple levels
- apply evidence-based research techniques
- effectively communicate with clinicians

Upon graduation, students may pursue advanced positions in the following arenas:

- elite consulting firms as facility programmers
- large health care systems and corporations as strategic planners
- leading manufacturers and vendors as expert representatives
- planning divisions in architectural and planning firms as medical planners

- research centers as decision-makers

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students will be required to complete program requirements detailed below:

previously completed a master's (30)

required core courses (6)

required concentration courses (18)

elective courses (18)

dissertation (12)

Students must be thoroughly familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program. Up to 30 credit hours from a previously awarded master's can count toward the requirements of the doctoral program. If the student has not completed a master's, elective courses approved by the supervisory committee may substitute.

Of the 54 credit hours remaining after the master's, 12 must be dissertation credit and 12 may be research. These 24 hours plus the remaining 30 hours must be completed after admission to the program. No transfer credits are allowed to fulfill the 54-credit-hour minimum requirement completed after admission to the program.

The student is required to take 18 credit hours in the concentration and a minimum of nine credit hours of specialized course work outside the area of concentration; a minimum of six credit hours in current research and research methods is required.

Each student entering the program is required to submit a plan of study during the first year.

Admission Requirements:

Applicants must submit an online Graduate Education application.

Ideal candidates must already hold a master's in design, interior design, architecture, nursing or other related fields. A statement of intent will express interest in the health care research/design concentration. If students enter the program with no design or health care background, they must take certain deficiency courses.

The doctoral executive committee evaluates the applications and supporting materials during the early spring for fall semester admissions. Admission decisions are based on:

- the ability of the potential mentor to devote time to the student
- the compatibility of the applicant's career goals with the purpose of the degree program
- GRE scores
- previous academic training and performance
- recommendation letters
- the research mission of the institute and the research interests of faculty

The recommendations of the committee are forwarded to the program director for approval. Upon the written recommendation from the program director, the vice provost of Graduate Education will notify all applicants in writing of the admission decision.

In addition to submitting the Graduate Education online application and meeting Graduate Education requirements, applicants must submit the following doctoral application requirements online at the time of application. The application will be considered incomplete if one of these items is missing:

- a statement of purpose summarizing career objectives and the reasons for pursuing doctoral education
- an indication of proposed concentration (design, history, theory and criticism, digital culture in design, or health care and healing environments)
- an indication of a potential mentor in the Herberger Institute for Design and the Arts*

three letters of recommendation (preferably academic, although could be professional)**

- a sample of sole-authored written work in English or any other evidence relevant to admission to the program (i.e., master's thesis, research paper or published articles)
- GRE scores (required)
- proof of English language proficiency***

*We recommend that the student email the faculty members who the student feels have related research interests, to introduce themselves and to inquire about the faculty member's availability to be a mentor.

**Students will provide the names and contact information of three recommenders at the time of their online application. Recommenders will receive an email with a link to the online letter of recommendation to complete. Students are able to see which recommenders have already completed their recommendation by logging into the My ASU system and viewing their "To Do" list. Once a recommender has submitted the letter of recommendation, the recommender's name will be removed from the "To Do" list. All letters must be in English.

***A Test of English as a Foreign Language (TOEFL) score of at least 100 iBT or 600 PBT or an overall International English Language Testing System band score of 7.50, with no individual band below 7.00, is required of all applicants whose native language is not English (<https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)). International applicants who are interested in receiving funding as teaching assistants must take the Speaking Proficiency English Assessment Kit (SPEAK), administered at ASU, and become certified. Additional information is available on the department website.

Minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 hours of a student's bachelor's degree program.

Identification of a proposed research topic, or list of possible topics, that aligns with the research mission of the doctoral program and the research interests of faculty.

Student must have identified a program faculty member who has agreed to serve as a mentor.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
http://herbergerinstitute.asu.edu/degrees/phd_environmental/
CDN 162
design.grad@asu.edu
480-727-8782

Digital Culture, MA (HIDGCMA)

Online Degree Search Title: Digital Culture

Campus: TEMPE

Program Description:

The MA in digital culture is geared towards practitioners of design and the arts who have an interest in software and system development and seek to enhance their practice through expanded engagement with interactive, embodied media design in an interdisciplinary environment.

The degree allows artists and designers to explore new avenues for real time media creation that seek to go beyond current paradigms. Course work also explores current practices in various contexts (performance environments, health and well-being, social media and communication) as well as engineering based approaches to develop experiential systems with social impact.

Degree Requirements: 33 credit hours including the applied project course (AME 593).

Core Courses (12 hours):

AME 530 Experiential Media Methodology and Theory I (3)
AME 531 Experiential Media Methodology & Theory II (3)
AME 532 Creating by Algorithm (3)
AME 533 Realtime Data Analysis and Pattern Recognition for Interaction (3)

Required Concentration Courses: Not Applicable

Elective or Research Courses (18 hours):

AME 541 Interactive Forms (3)
AME 598 Advanced Interactive Sound (3)
AME 598 Media Installations (3)

AME 598 Animating Virtual Worlds (3)
AME 598 Understanding Activity (3)
AME 598 Programming for Social and Interactive Media (3)
AME 598 Integrated System Development (3)
AME 598 Digital Design for Tangible Devices (3)
AME 598 Movement Sensing and Interaction (3)
AME 598 Performance Systems Design (3)
AME 598 Multimodal Sensing Systems (3)
AME 598 Integrated Perception and Cognition (3)
AME 598 Media Synthesis (3)
AME 598 System Modeling (3)
ART 539 Intermedia Studio (3)
ART 543 Intermedia Performance (3)
MTC 598 Electronic Studio Tech I (3)
MTC 598 Electronic Studio Tech II (3)
MUE 598 Digital and Participatory Culture in Music (3)
PSY 528 Sensation and Perception (3)
PSY 562 Advanced Human Factors (3)
THP 555 Media Design Applications (3)
THP 556 Performance Technology (3)

Culminating Experience (3 hours):

AME 593 Applied Project (3)

Total required credit hours: 33

Admission Requirements:

Degree: A minimum of a bachelor's or master's degree in arts, humanities, design, media studies, computer science, engineering, or a closely related field from a regionally accredited college or university is required.

GPA: A minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of the student's first bachelor's degree program is required. A minimum of 3.00 cumulative GPA (scale is 4.00 = A) in the applicable master's degree is required.

Portfolio:

A portfolio is required; however submissions will vary depending on the background of each prospective student due to the interdisciplinary nature of the program. A wide variety of disciplines are expected to be interested in the master's. We will request key works from applicants that illustrate the skills they wish to develop in the master's program. Examples include games they have designed and programmed, interactive installations and performances (submitted as video), web sites they have created or programmed, music they have composed digitally, or films they have made.

Foreign Language Exam: No

Required Admission Examination: No

Letters of Recommendation: Yes

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
<http://ame.asu.edu>
STAUF B217

Environmental Design and Planning, PHD (ARENVDEPHD)

Online Degree Search Title: Environmental Design/Planning (PhD)

Campus: TEMPE

Program Description:

This program is an individualized institute-wide interdisciplinary degree that integrates graduate courses and faculty research expertise with concentrations in design; health care and healing environments; history, theory and criticism; and urban design. Broad in scope, the program is at the cutting edge of creating new knowledge in architecture, design and the arts. It complements interdisciplinary research in other disciplines within the university. The program provides research experience for students wishing to pursue careers in industry as members of interdisciplinary design teams on environmental and energy issues, as well as for those wishing to teach in the architecture, design or the arts fields.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students must be thoroughly familiar with design and the arts and are expected to demonstrate a high level of academic maturity before being admitted to the program. Up to 30 credit hours from a previously awarded master's can count towards the requirements of the doctoral program.

Of the 54 credit hours remaining after the master's, 12 must be dissertation credit and 12 may be research. These 24 hours plus the remaining 30 hours must be completed after admission to the program. No transfer credits are allowed to fulfill the 54-credit-hour minimum requirement completed after admission to the program.

The student is required to take 15 credit hours in the area of concentration and a minimum of nine credit hours of specialized course work outside the area of concentration; a minimum of six credit hours in current research and research methods is required.

Each student entering the program is required to submit a plan of study during the first year.

Admission Requirements:

Applicants must submit an online Graduate Education application.

Students are admitted to the program only upon completion of a master's in architecture, graphic design, industrial design, interior design, landscape architecture, fine arts or upon the demonstration of equivalent standing. Students must be familiar with design and the arts and will be expected to demonstrate a high level of academic maturity before being admitted to the program.

The doctorate executive committee evaluates the applications and supporting materials during the spring for fall semester admissions. Admission decisions are based on the compatibility of the applicant's career goals with the purpose of the degree program, the research mission of the institute and the research interests of faculty, previous academic training and performance, GRE scores, recommendation letters and the ability of the potential mentor to devote time to the student.

The recommendations of the committee are forwarded to the program director for approval. Upon the written recommendation from the program director, the vice provost of Graduate Education will notify all applicants in writing of the admission decision.

In addition to submitting the Graduate Education online application and meeting Graduate Education requirements, applicants must submit the following Doctorate of Philosophy application requirements online at the time of application. The application will be considered incomplete if one of these items is missing.

- GRE scores
- An indication of a potential mentor in the Herberger Institute for Design and the Arts. We recommend that you e-mail the faculty member(s) that you feel have related research interests to introduce yourself and to inquire about their availability to be a mentor to you.
- An indication of proposed area of concentration (design, history, theory, and criticism, or health care and healing environments).
- A sample of sole-authored written work in English or any other evidence relevant to admission to the program (i.e., master's thesis, research paper, or published articles).
- A statement of purpose summarizing career objectives and the reasons for pursuing doctorate education.
- Three letters of recommendation (preferably academic, although could be professional). Students will provide the names and contact information of three recommenders at the time of their online application. Recommenders will receive an e-mail with a link to the on line letter of recommendation to complete. Students are able to see which recommenders have already completed their recommendation by logging into the MyASU system and viewing their "To Do" list. Once a recommender has submitted the letter of recommendation, the recommender's name will be removed from the "To Do" list. All letters must be in English.

A Test of English as a Foreign Language (TOEFL) score of at least 100 iBT or 600 PBT or an overall International English Language Testing System (IELTS) band score of 7.50, with no individual band below 7.00, is required of all applicants whose native language is not English.

International applicants who are interested in receiving funding as teaching assistants must take the Speaking Proficiency English Assessment Kit (SPEAK), administered at ASU, and become certified. Additional information is available on the department website.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
http://herbergerinstitute.asu.edu/degrees/phd_environmental/
CDN 162
design.grad@asu.edu
480-727-8782

History and Theory Of Art, PHD (FAHIARTPHD)

Online Degree Search Title: History and Theory of Art (PhD)

Campus: TEMPE

Program Description:

The PhD in the history and theory of art is a collaborative program with the University of Arizona in Tucson, Ariz. The emphasis is on interdisciplinary methodologies and electronic technologies to prepare students for teaching and museum careers.

Degree Requirements: 84 credit hours, a foreign language exam, an oral comprehensive exam, a prospectus and a dissertation.

The PhD requires 60 credit hours beyond the MA or 90 beyond the BA. The 42 credits of PhD course work include:

12 credits in the major area of emphasis

nine credits in a minor area within art history

six interdisciplinary credits (courses outside of art history)

six hours of PhD core courses (ARS 691 Methodologies and ARS 692 Technologies)

nine credits of electives

the remaining 18 credits are research (ARS 792) and dissertation (ARS 799)

A student may elect to have a second minor in an area outside art history. In this joint program, all PhD students are required to take courses by faculty at both Arizona State University and the University of Arizona.

Admission Requirements:

The complete application requires submissions to both Arizona State University Graduate Education and the School of Art. The following must be submitted to the Graduate Education as part of the Graduate Education application:

online application

- application fee
- official notice of GRE scores (within last five years)
- official transcripts

any other materials requested by Graduate Education

The following must be sent to the art history graduate advisor in the School of Art:

- a statement of intent regarding graduate study
- the MA thesis and/or a scholarly research paper
- any request for assistantships and tuition scholarships
- three academic letters of recommendation (to be sent directly by referees)

The postmark deadline for complete applications for admission beginning in the following spring semester is Oct. 15; for the following fall semester it is Jan. 15. Students entering in the spring will have few or no opportunities for fellowship or assistantship support the first semester.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu>
ART 102
Vicki.Kelley@asu.edu
480-965-6303

Industrial Design, MID (HIINDMID)

Online Degree Search Title: Industrial Design (MID)

Campus: TEMPE

Program Description:

The MID degree is a 60-credit-hour studio-based program in which students will learn to design new product-service systems that solve critical global problems. Students will engage in research, brainstorming, idea visualization, prototyping and testing of creative solutions that address critical problems we face in the world today. Graduates of this program will be adept in using principles of design innovation, sustainability and systems thinking in problem-solving and are expected to find positions in industry as well as academia after graduation.

Degree Requirements: 60 credit hours including the required capstone course (IND 622).

Two-year program

Typical Plan of Study

First Year (Fifth year)

Fall

DSC 511 Design Research (3)

DSC 598 Topic: The Culture of Objects (3)

IND 513 Industrial Design Seminar: Contemporary Issues (1)

IND 521 Advanced Industrial Design Studio I (5)

IND 544 Human Factors Systems and Documentation (3)

Spring

ATE 598 Topic: Sustainability of the Built Environment (3)

DSC 501 Qualitative Research Methods in Design (3)

IND 522 Advanced Industrial Design Studio II (5)

Design Professional Elective (3)

Summer

IND 584 Clinical Internship (3)

Second Year (Sixth year)

Fall

IND 598 Topic: Solving Problems with Life Cycle Assessment (3)

IND 621 Advanced Industrial Design Studio III (5)

Design Professional Electives (6)

Spring

AAD 552 Architectural Management II (3)

IND 598 Topic: Digital Ideation and Rapid Prototyping (3)

IND 622 Advanced Industrial Design Studio IV (5)

Design Professional Elective (3)

Three-plus-year program

Bolded courses are considered deficiencies and do not count toward official graduate program of study.

First Year

Summer

DSC 236 Introduction to Computer Modeling (3)

IND 509 Foundation Industrial Design Seminar (3)

IND 510 Foundation Industrial Design Studio (6)

Fall

IND 227 Visual Methods for Problem Solving (3)

IND 242 Materials and Design (3)

IND 316 20th Century Design I (3)

IND 511 Core Industrial Design Studio I (6)

Spring

IND 261 Industrial Design II (3)
IND 317 20th Century Design II (3)
IND 428 Design Presentation (3)
IND 512 Core Industrial Design Studio II (6)

Admission Requirements:

All applicants must complete the Graduate Education online application.

Admission requirements for the two-year program:

- Applicants must hold a minimum of a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as industrial design or product design.
- Applicants must meet the minimum GPA requirements as established by Graduate Education.
- Applicants must submit an official Test of English as a Foreign Language (TOEFL) score of at least 80 (Internet-based) or 550 (paper-based), if English is not student's native language, regardless of where they may now reside. Other information for international applicants can be found at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).
- Submit a portfolio, letter of intent, and contact information for three references to SlideRoom (<https://asuherberger.slideroom.com> (<https://asuherberger.slideroom.com>)). The Design School requires that these be submitted in addition to the Graduate Education application requirements.

Admission requirements for the three-plus-year Program:

- Applicants must hold a bachelor's degree (or equivalent) from a regionally accredited college or university of recognized standing in a field other than industrial design.
- Applicants must meet the minimum GPA requirements as established by Graduate Education.
- Applicants must submit an official Test of English as a Foreign Language (TOEFL) score of at least 80 (Internet-based) or 550 (paper-based), if English is not their native language, regardless of where they may now reside. Other information for international applicants can be found at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).
- Submit a portfolio, letter of intent, and contact information for three references to SlideRoom (<https://asuherberger.slideroom.com> (<https://asuherberger.slideroom.com>)). The Design School requires that these be submitted in addition to the Graduate Education application requirements.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying. The GRE is not required.

Applicants may be admitted to the two-year program with deficiencies if their previous course work is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary. Please keep in mind that this may cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://design.asu.edu/degrees/grad/>
CDN 162
designgrad@asu.edu
480-727-7919

Interior Architecture, MIA (HIAMIA)

Online Degree Search Title: Interior Architecture (MIA)

Campus: TEMPE

Program Description:

The MIA is a studio-based professional degree that prepares graduates to fill leadership positions in interior architecture, design practice and education. Focusing on the development of groundbreaking design solutions to contemporary and emergent societal issues, such as sustainability and health care, this degree draws upon history, theory and criticism to inform a transdisciplinary, evidence-based approach. Studios will have close ties to the allied disciplines of architecture and landscape architecture with faculty from those programs actively involved in teaching studios with an interior architecture concentration. This provides a foundation of interdisciplinary learning, to assist in the understanding of integrated practice. This degree program aims to further a candidate's comprehension of design as a synergistic process of identifying, analyzing and creating useful,

beautiful and stimulating interior environments that serve the needs of varied user populations.

Degree Requirements: 56 credit hours including the required capstone course (INT 622).

Two-year Program

Typical Plan of Study

First Year (Fifth Year)

Fall

DSC 511 Design Research (3)

INT 519 Contemporary Issues in Interior Architecture Seminar (3)

INT 521 Advanced Interior Architecture Studio I (5)

INT 529 Design Criticism (3)

Spring

ATE 598 Sustainability of the Built Environment (3)

DSC 558 Daylighting (3)

INT 522 Advanced Interior Architecture Studio II (5)

INT 527 Design Theory (3)

Summer

INT 584 Professional Internship (3)

Second Year (Sixth Year)

Fall

INT 520 Contemporary Design Issues (3)

INT 621 Advanced Interior Architecture Studio III (5)

Professional Design Electives (6)

Spring

AAD 552 Architectural Management II (3)

INT 622 Advanced Interior Architecture Studio IV (5)

Professional Design Elective (3)

Three-plus-year Program

Typical Plan of Study

Bolded courses below are considered deficiencies and do not count toward official program of study.

First Year

Summer

ADE 510 Foundation Architectural Studio (6)

ALA 235 Computers in Landscape Architecture (3)

APH 509 Foundation Seminar, Architecture and Landscape Architecture (3)

Fall

ATE 451 Building Systems I (3)

INT 310 History of Interior Design I (3)

INT 352 Construction Methods (3)

INT 511 Core Interior Architecture Studio I (6)

Spring

ATE 452 Building Systems II (3)

INT 311 History of Interior Design II (3)

INT 512 Core Interior Architecture Studio II (6)

INT 556 Technical Aspects of the Interior Architecture (3)

After the first summer and academic year, the three-plus-year curriculum merges with the two-year curriculum and they become the same course of study.

Admission Requirements:

All applicants must complete the Graduate Education online application.

Admission Requirements for the Two-year Program:

- All applicants must hold an undergraduate or graduate degree from a college or university recognized by ASU.
- All applicants must have completed a minimum of a bachelor's degree (or equivalent) in interior design or interior architecture from a CIDA-accredited program or a four-year degree in architecture from a NAAB-accredited program.
- All applicants must meet the minimum GPA requirements as established by Graduate Education.
- Applicants whose native language is not English (regardless of where they now reside) are required to submit an official Test of English as a Foreign Language (TOEFL) score of at least 80 (Internet-based) or 550 (paper-based). Other information for international applicants can be found at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).
- A portfolio, letter of intent and contact information for three references need be submitted to SlideRoom (<https://asuherberger.slideroom.com>) (<https://asuherberger.slideroom.com>). The Design School requires that these be submitted in addition to the Graduate Education application requirements.

No GRE test is required.

Admission Requirements for the Three-plus-year Program:

- All applicants must hold an undergraduate or graduate degree from a college or university recognized by ASU.
- All applicants must have completed a minimum of a bachelor's degree (or equivalent) in a field other than in interior design, interior architecture or architecture.
- All applicants must meet the minimum GPA requirements as established by Graduate Education.
- Applicants whose native language is not English (regardless of where they may now reside) are required to submit an official Test of English as a Foreign Language (TOEFL) score of at least 80 (Internet-based) or 550 (paper-based). Other information for international applicants can be found at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).
- A portfolio, letter of intent and contact information for three references need be submitted to SlideRoom (<https://asuherberger.slideroom.com>) (<https://asuherberger.slideroom.com>). The Design School requires that these be submitted in addition to the Graduate Education application requirements.

No GRE test is required.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Applicants may be admitted to the two-year program with deficiencies if their previous course work is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary. Please keep in mind that this may cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://herbergerinstitute.asu.edu/>
CDN 162
desingrad@asu.edu
480-727-7919

Landscape Architecture, MLA (ARLDEMLA)

Online Degree Search Title: Landscape Architecture (MLA)

Campus: TEMPE

Program Description:

The MLA program at ASU is designed to enable students to engage with the community in applied projects that focus on improving the ecological and social health of the urban environment. The emphasis is on sustainable outdoor environments. In the United States, most state registration boards require a degree from an accredited professional degree program as a prerequisite for licensure.

The graduate landscape architecture program projects can include large-scale work encompassing urban design, landscape reclamation, open space preservation planning and landscape ecological design, and projects at a more intimate scale of the neighborhood park or residential back

yard. Emerging areas of focus include biotechnical design, construction of greenways, green roofs, living walls, urban agriculture as well as the design of healing environments.

As an accredited master's program in landscape architecture, the curriculum is intended to prepare students for landscape architecture professional practice and advanced study at the doctoral level. The Design School is committed to the merging of global and local contexts and concerns and, toward this end, graduate students in their final year go abroad for two weeks as part of their studio course. To date, students have traveled to Argentina, England, Ethiopia, Germany, Japan, the Netherlands, Rwanda, Spain and Turkey. The school also offers a number of summer study abroad programs in an effort to extend the student opportunities for global engagement. Since 2011 when the first class of students graduated with master's degrees in landscape architecture, ASU alumni have found employment with nationally recognized landscape architects, in multinational firms and within public municipalities and agencies.

Degree Requirements: 56 credit hours and a thesis, or 56 credit hours including the required applied project course (LDE 593), or 56 credit hours including the required capstone course (MLA 622).

Master of Landscape Architecture Program Two-Year Degree Requirements

First Year (Fifth Year)

Fall (14 credit hours)

ATE 598 Sustainability of the Built Environment (3)

LDE 521 Advanced Landscape Architectural Studio I (5)

LPH 513 Research in Landscape Architecture Seminar (3)

LTC 563 Planting Design (3)

Spring (14 credit hours)

LDE 522 Advanced Landscape Architectural Studio II (5)

LPH 612 Landscape Architecture Research Methods (3)

LTC 546 LA Alternative Technologies and Materials (3)

LTC 598 ST: Urban Ecological Design (3)

Summer (3 credit hours)

LAP 584 Clinical Internship (3)

Second Year (Sixth Year)

Fall (14 credit hours)

L/APH 515 Current Topics and Issues (3)

LDE 621 Advanced Landscape Architectural Studio III

LPH 613 Landscape Architecture Seminar (3)

Design Professional Elective* (3)

Spring (14 credit hours)

L/AAD 652 Professional Practice (3)

LDE 622 Advanced Landscape Architectural Studio (5) or LDE 599 Thesis (5) or LDE 593 Applied Project**

LTC 598 ST Urban Landscape Water Systems and Management (3)

Design Professional Elective * (3) Total Graduate Hours in Program: 56 credit hours

*The list of Herberger Institute for Design and the Arts design electives can be found on the institute's website: <http://design.asu.edu/> (<http://design.asu.edu/>).

**The culminating experience will be selected based upon MLA faculty guidance and approval.

Master of Landscape Architecture Program Three-Plus-Year Requirement

Note: Bolded courses are considered deficiencies and do not count toward official plan of study.

First Year

Summer (12 credit hours)

ALA 236 Computers in Landscape Architecture (3)

APH 509 Foundation Seminar (3)

LDE 590 Foundation Architectural Studio (6)

Fall (15 credit hours)

LDE 511 Core Landscape Architectural Studio I (6)

LPH 310 History of Landscape Architecture (3)

LTC 342 Landscape Implementation-Grading (3)

LTC 598 ST: Natural Factors (3)

Spring (15 credit hours)

ADE 512 Core Landscape Architectural Studio II (6)

LPH 311 20th-Century Landscape Architecture (3)

LTC 344 Landscape Implementation-Construction (3)

LTC 494 Plant Materials (3)

After the first summer and academic year, the three-plus-year curriculum merges with the two-year curriculum and they are the same.

Admission Requirements:

All applicants must submit an online Graduate Education application.

Admissions Requirements to the Two-Year Program

- Applicants must hold an undergraduate or graduate degree from a college or university recognized by ASU.
- Applicants must have completed a four-year or five-year BSLA or BLA in landscape architecture or be a licensed landscape architect. The bachelor's must be accredited by the Landscape Architectural Accreditation Board.
- Applicants must meet the minimum GPA requirements as established by Graduate Education.
- Provide official copy of GRE scores; unofficial copies will not be accepted. For more information, visit the GRE website or <https://uoeee.asu.edu/testing> (<https://uoeee.asu.edu/testing>).
- Provide proof of English proficiency if student's native language is not English, regardless of where they now reside, in the form of an official Test of English as a Foreign Language (TOEFL) score of at least 80 (Internet-based) or 550 (paper-based). Other information for international applicants can be found at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).
- Submit a portfolio, letter of intent, and contact information for three references via SlideRoom (<https://asuherberger.slideroom.com>) (<https://asuherberger.slideroom.com>). The Design School requires that these be submitted in addition to the Graduate Education application requirements.

Admissions Requirements to the Three-Plus-Year Program

- Applicants must hold an undergraduate or graduate degree from a college or university recognized by ASU.
- Applicants must have completed a minimum of a bachelor's degree (or equivalent) in a field other than landscape studies.
- Applicants must meet the minimum GPA requirements as established by Graduate Education.
- Provide an official copy of GRE scores; unofficial copies will not be accepted. For more information, visit the GRE website or <https://uoeee.asu.edu/testing> (<https://uoeee.asu.edu/testing>).
- Provide proof of English proficiency if student's native language is not English, regardless of where they now reside, in the form of an official Test of English as a Foreign Language (TOEFL) score of at least 80 (Internet-based) or 550 (paper-based). Other information for international applicants can be found at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).
- Submit a portfolio, letter of intent, and contact information for three references via SlideRoom (<https://asuherberger.slideroom.com>) (<https://asuherberger.slideroom.com>). The Design School requires that these be submitted in addition to the Graduate Education application requirements.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Applicants may be admitted to the two-year program with deficiencies if their previous course work is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary. Please keep in mind that this may cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://design.asu.edu/>
CDN 162
designgrad@asu.edu
480-727-7919

Media Arts and Sciences, PHD (FAMASPHD)

Online Degree Search Title: Media Arts and Sciences (PhD)

Campus: TEMPE

Program Description:

Media, arts and sciences PhD students train in translating, transporting and combining knowledge across disciplines for the development of innovative experiential media systems and accompanying theoretical models. The degree structure includes transdisciplinary media courses through the School of Arts, Media and Engineering, elective-course credits relating to the student's research interests, and substantial research and dissertation hours devoted to collaborative research within the School of Arts, Media and Engineering network. Active participation in School of Arts, Media and Engineering interdisciplinary research teams allows media, arts and sciences doctoral students to gain and contribute expertise in knowledge fusion for digital media.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The requirements for this program are comprised of 39 course credit hours, 33 research hours and 12 dissertation hours. Thirty of the 39 required course credits will be from the transdisciplinary media courses offered by the School of Arts, Media and Engineering. All students will be required to take a minimum of two courses under each of the five constituting areas of experiential media (30 hours).

Admission Requirements:

Application yearly deadline is Jan. 7. Students are only admitted during the fall semester.

Applicants will be required to submit:

- a Graduate Education online application
- official transcripts of all undergraduate and graduate course work (if applicable)
- official GRE scores
- curriculum vitae
- statement of purpose
- three letters of recommendation and a portfolio of supporting material

Additionally, the statement of purpose should explain in a concise and persuasive manner how the student's educational, professional and personal experiences inform their research and creative interests as well as elaborating on any aspect of their background that supports candidacy to the School of Arts, Media and Engineering program.

Each applicant must demonstrate entry-level competencies. This can be demonstrated primarily through a portfolio. The portfolio may include previously developed media products, projects or publications demonstrating an understanding of and involvement with digital media and computation. Entry-level competency can also be partially demonstrated through course work and may include such courses as:

- advanced computer programming
- computer graphics and animation
- computer music
- digital design
- film theory
- interactive technologies
- media authoring tools
- media theory
- multimedia systems
- signal processing

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
<http://ame.asu.edu>
BYENG 395
ameed@asu.edu
480-965-9438

Music (Conducting), DMA (FACONDDMA)

Online Degree Search Title: Conducting (DMA)

Campus: TEMPE

Program Description:

The DMA in music, concentration in conducting (emphasis areas: choral, orchestra/opera, wind band) prepares highly qualified musicians to become conductors and scholars, emphasizing a thorough knowledge of repertory, knowledge of historical and analytical issues, an understanding of efficient, effective rehearsal technique and a clear, expressive conducting technique. Doctoral conducting students receive considerable individual attention and have regular opportunities to rehearse and conduct a variety of ensembles.

Degree Requirements: 90 credit hours, a research paper, a written comprehensive exam and an oral comprehensive exam.

The degree credit requirements are distributed as follows:

18 hours in conducting core

nine hours in specialty courses

nine hours in electives

nine hours in cognate (integrated conducting, instrumental performance or music education)

21 hours in music history and music theory

24 hours in recitals and research

30 hours from a master's degree may be applied toward the 90-hour degree requirement. Once admitted to a the program, a student is required to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the student should expect to spend at least the equivalent of three academic years beyond the bachelor's in the program. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 hours must be completed in residence at ASU.

Additional information on degree requirements for all graduate music programs may be found on the checksheets posted here:

<http://music.asu.edu/students/grad/checksheets.php> (<http://music.asu.edu/students/grad/checksheets.php>).

Admission Requirements:

Students seeking admission typically hold a Master of Music degree. Applicants with other degrees are considered if they have received graduate training similar to that normally expected in an MM program.

Applicants who meet the following requirements are eligible to apply.

- Applicants must hold a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country.
- Applicants must have achieved a "B" (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency:

- TOEFL score of at least 550 (PBT) or 80 (iBT)
- IELTS overall band score of at least 6.5
- Pearson Test of English (PTE) score of at least 60

The School of Music does not offer conditional admission under any circumstances.

Application Requirements

Materials due by Oct. 1 for spring admission and Dec. 1 for fall admission:

- Graduate Education admission application and application fee: <https://students.asu.edu/graduate/admissions> (<https://students.asu.edu/graduate/admissions>)
- School of Music Application (including a resume and personal statement; choral applicants must also upload a writing sample): <http://music.asu.edu/admissions/grad/applying/> (<http://music.asu.edu/admissions/grad/applying/>)
- prescreening video: <http://music.asu.edu/admissions/auditions/prescreening.php> (<http://music.asu.edu/admissions/auditions/prescreening.php>)

Materials required to complete your application for faculty review and audition consideration:

- three letters of recommendation
- official transcripts
- GRE/MAT scores
- international applicants: proof of English proficiency <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

Application Deadlines

The deadline for submission of the Graduate Education admission application, School of Music application, and prescreening video is Oct. 1 for spring admission and Dec. 1 for fall admission. After receipt of complete application materials (including recommendation letters, transcripts, and English proficiency requirements) and review of prescreening materials, an applicant may be invited for a live audition. Information on the audition component may be found here: <http://music.asu.edu/admissions/auditions/> (<http://music.asu.edu/admissions/auditions/>). GRE/MAT scores may be submitted after the Oct. 1 and Dec. 1 deadlines, but must be received before enrollment at ASU.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Music (Ethnomusicology), MA (FAETHNMA)

Online Degree Search Title: Ethnomusicology (MA)

Campus: TEMPE

Program Description:

The MA in music with a concentration in ethnomusicology focuses on the scholarly study of musical traditions as sociocultural artifact, behavior and performance.

Degree Requirements: 30 credit hours, a thesis, a written comprehensive exam, an oral comprehensive exam and a foreign language exam.

At least 20 credit hours must be in the field of ethnomusicology or related fields approved by the student's advisor, complemented by courses in music theory, performance and cultural anthropology as listed below. The degree credit requirements are distributed as follows:

MHL 532 Music Bibliography (3)

MHL 668 Introduction to Ethnomusicology (3)

MHL 592 Research* (2)

MUP 587 Ethnomusicology Ensemble (2)

MHL 599 Thesis (6)

music theory (5)

ethnomusicology electives or related fields (9)

*Taken concurrently with second semester of Ethnomusicology Ensemble.

A passing grade on the Foreign Language Exam in French, German, Italian or Spanish is required for graduation.

Additional information on degree requirements for all graduate music programs may be found on the checksheets posted here:

<http://music.asu.edu/students/grad/checksheets.php> (<http://music.asu.edu/students/grad/checksheets.php>).

Admission Requirements:

Applicants who meet the following requirements are eligible to apply.

- Applicants must hold a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country.
- Applicants must have achieved a "B" (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work.

If the applicant's native language is not English (regardless of where they may now reside), they must provide proof of English proficiency:

- TOEFL score of at least 550 (PBT) or 80 (iBT)
- IELTS overall band score of at least 6.5
- Pearson Test of English (PTE) score of at least 60

The School of Music does not offer conditional admission under any circumstances.

Application Requirements

- Graduate Education admission application and application fee: <https://students.asu.edu/apply> (<https://students.asu.edu/apply> target="_blank")
- School of Music application (including a resume, personal statement and writing sample): <http://music.asu.edu/admissions/grad/applying/> ([http://music.asu.edu/admissions/grad/applying/" target="_blank](http://music.asu.edu/admissions/grad/applying/))

- three letters of recommendation

- official transcripts

- applicants whose native language is not English (regardless of where they now reside): proof of English proficiency

<https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency> target="_blank")

Application Deadlines

Applications are accepted until all spaces are filled and reviewed on a rolling basis. Applicants are encouraged to apply and complete their applications as early as possible. For more information on application deadlines, see <http://music.asu.edu/admissions/deadlines>

(<http://music.asu.edu/admissions/deadlines>" target="_blank"). To ensure prompt processing of applications, email MusicAdmissions@asu.edu (<mailto:MusicAdmissions@asu.edu>) after submitting an application.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Music (Interdisciplinary Digital Media and Performance), DMA (FAINTDDMA)

Online Degree Search Title: Music (Interdisciplinary Dig. Media and Perf.) (DMA)

Campus: TEMPE

Program Description:

The DMA in music with a concentration in interdisciplinary digital media and performance is designed for students who have interests and skills in unique cross sections of the arts and sciences. The degree expands the School of Music offerings to include areas beyond typical music course work, allowing for expanded opportunities for digital sound and interactive projects. It also allows the School of Music and its students to be actively involved in current developments in the ever-changing field of media and digital culture. The state-of-the-art media facilities of the School of Arts, Media and Engineering and its hybrid arts-engineering faculty and courses are an invaluable asset to music students, with resources that complement existing and future courses in electronic music.

Degree Requirements: 90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The degree credit requirements are distributed as follows:

36 hours in arts, media and engineering core

30 hours in music theory and music history

24 hours in research and dissertation

Thirty hours from a master's degree may be applied toward the 90-hour degree requirement. Once admitted to the program, a student is required to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the student should expect to spend at least the equivalent of three academic years beyond the bachelor's in the program. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 hours must be completed in residence at ASU.

Additional information on degree requirements for all graduate music programs may be found on the checksheets posted here:

<http://music.asu.edu/students/grad/checksheets.php> (<http://music.asu.edu/students/grad/checksheets.php>).

Admission Requirements:

Applicants who meet the following requirements are eligible to apply.

- Applicants must hold a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country.
- Applicants must have achieved a "B" (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work.

Students whose native language is not English (regardless of where they may now reside), must provide proof of English proficiency: The School of Music does not offer conditional admission under any circumstances

- TOEFL score of at least 550 (PBT) or 80 (iBT)
- IELTS overall band score of at least 6.5
- Pearson Test of English (PTE) score of at least 60

Application Requirements

Materials due by Oct. 1 for spring admission and Dec. 1 for fall admission:

- graduate admission application and application fee: <https://students.asu.edu/graduate/admissions> (<https://students.asu.edu/graduate/admissions>)
- School of Music Application (including a resume and personal statement): <http://music.asu.edu/admissions/grad/applying/> (<http://music.asu.edu/admissions/grad/applying/>)
- prescreening portfolio: <http://music.asu.edu/admissions/auditions/prescreening.php> (<http://music.asu.edu/admissions/auditions/prescreening.php>)

Materials required to complete your application for faculty review:

- three letters of recommendation

- official transcripts
- GRE/MAT scores
- International applicants must provide proof of English proficiency, please see: <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

Students must fulfill the requirements of both Graduate Education and the Herberger Institute for Design and the Arts.

Application Deadlines

The deadline for submission of the Graduate Admission Application, School of Music Application and Prescreening Portfolio is Oct. 1 for spring admission and Dec. 1 for fall admission. GRE/MAT scores may be submitted after the Oct. 1 and Dec. 1 deadlines, but must be received before enrollment at ASU. For more information on application deadlines, see <http://music.asu.edu/admissions/deadlines> ([http://music.asu.edu/admissions/deadlines" target="_blank](http://music.asu.edu/admissions/deadlines)).

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://ame.asu.edu>
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MusicAdmissions@asu.edu
480-965-5069

Music (Music Composition), DMA (FACOMPDMA)

Online Degree Search Title: Music Composition (DMA)

Campus: TEMPE

Program Description:

The DMA in music with a concentration in music composition is a professional degree program designed for outstanding students of composition who are preparing for professional careers, including teaching positions at the university level. The concentration in music composition provides extensive faculty interaction as well as opportunities to develop advanced skills in traditional and contemporary compositional techniques. The opportunity to collaborate with music scholars, theorists, performers, educators and other composers provides students with a broad and well-rounded foundation for advanced careers in music.

Degree Requirements: 90 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The degree credit requirements are distributed as follows:

36 hours in major area (composition, music technology, electives)

30 hours in music theory and music history

24 hours in research and dissertation

The music composition concentration requires the creation of a significant original work of music (considered to be a dissertation) and either two article-length research papers or a substantial paper.

Thirty hours from a master's degree may be applied toward the 90-hour degree requirement. Once admitted to the program, a student is required to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the student should expect to spend at least the equivalent of three academic years beyond the bachelor's in the program. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 hours must be completed in residence at ASU.

Additional information on degree requirements for all graduate music programs may be found on the checksheets posted here: <http://music.asu.edu/students/grad/checksheets.php> (<http://music.asu.edu/students/grad/checksheets.php>).

Admission Requirements:

Applicants who meet the following requirements are eligible to apply.

- U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country
- B" (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work
- proof of English proficiency*

The School of Music does not offer conditional admission under any circumstances.

*Students whose native language is not English (regardless of where they may now reside), must provide proof of English proficiency.
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- TOEFL score of at least 550 (PBT) or 80 (iBT)
- IELTS overall band score of at least 6.5
- Pearson Test of English (PTE) score of at least 60

Application Requirements

Materials due by Oct. 1 for spring admission and Dec. 1 for fall admission:

- Graduate Education online application and application fee: <https://students.asu.edu/graduate/admissions> (<https://students.asu.edu/graduate/admissions>)
- School of Music Application (including a resume and personal statement): <http://music.asu.edu/admissions/grad/applying/> (<http://music.asu.edu/admissions/grad/applying/>)
- prescreening portfolio: <http://music.asu.edu/admissions/auditions/prescreening.php> (<http://music.asu.edu/admissions/auditions/prescreening.php>)

Materials required to complete your application for faculty review:

- three letters of recommendation
- official transcripts
- GRE/MAT scores
- international applicants: proof of English proficiency <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

Application Deadlines

The deadline for submission of the Graduate Education admission application, School of Music application and prescreening portfolio is Oct. 1 for spring admission and Dec. 1 for fall admission. After receipt of complete application materials (including recommendation letters, transcripts and English proficiency) and review of prescreening materials, an applicant may be invited for an interview. GRE/MAT scores may be submitted after the Oct. 1 and Dec. 1 deadlines, but must be received before enrollment at ASU. For more information on application deadlines, see <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>).

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Music (Music Education), PHD (FAMUSEDPHD)

Online Degree Search Title: Music (Music Education) PhD

Campus: TEMPE

Program Description:

The PhD in music, concentration in music education is a scholarly research degree. Graduates of this program typically serve as faculty members at colleges or universities. They become scholars, researchers, music and arts administrators, and public policy advisors to education and arts organizations, and civic and government groups.

The music education doctoral program includes highly specialized study in music education, elective studies with scholars and artists in the School of Music and other schools in the Herberger Institute for Design and the Arts, and opportunities for cross-disciplinary elective study with faculty in schools and colleges across the ASU campuses. A plan of study is designed by the student in consultation with the faculty to support a research trajectory identified by the student.

Research conducted by students in the music education concentration aims to reexamine, interrogate and broaden discourse, practice, and policy in music education, and to expand music and education scholarship by challenging methodological and disciplinary boundaries. The degree concludes with dissertation research.

Degree Requirements: 90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The degree credit requirements are distributed as follows:

- 30 hours in concentration (music education courses, including research)
- 10 hours in core requirements
- 12 hours in dissertation
- 29 hours in electives (music, music education and related studies)

three hours in internship
six hours in research

Thirty hours from a master's degree may be applied toward the 90-hour degree requirement. Once admitted to a the program, a student is required to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the student should expect to spend at least the equivalent of three academic years beyond the bachelor's in the program. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 hours must be completed in residence at ASU.

Additional information on degree requirements for all graduate music programs may be found on the checksheets posted here:
<http://music.asu.edu/students/grad/checksheets.php> (<http://music.asu.edu/students/grad/checksheets.php>).

Admission Requirements:

Applicants who meet the following requirements are eligible to apply.

- U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country
- B" (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency:

- TOEFL score of at least 550 (PBT) or 80 (iBT)
- IELTS overall band score of at least 6.5
- Pearson Test of English (PTE) score of at least 60

The School of Music does not offer conditional admission under any circumstances.

Application Requirements

- Graduate Education admissions application and application fee: <https://students.asu.edu/graduate/admissions> (<https://students.asu.edu/graduate/admissions>)
- School of Music Application (including a curriculum vitae, personal statement and writing sample): <http://music.asu.edu/admissions/grad/applying/> (<http://music.asu.edu/admissions/grad/applying/>)
- teaching demonstration video: <http://music.asu.edu/admissions/grad/requirements.php> (<http://music.asu.edu/admissions/grad/requirements.php>)
- three letters of recommendation
- official transcripts
- GRE/MAT scores
- international applicants: proof of English proficiency <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

Application Deadlines

Applications are accepted until all spaces are filled and reviewed on a rolling basis. Applicants are encouraged to apply as early as possible. For more information on application deadlines, see <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>). To ensure prompt processing of application, please email MusicAdmissions@asu.edu (<mailto:MusicAdmissions@asu.edu>) after submitting an application. An interview with the music education doctoral faculty in person or via electronic media is scheduled after review of application materials. GRE/MAT scores may be submitted after the Oct. 1 and Dec. 1 deadlines, but must be received before enrollment at ASU.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu/>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Music (Music History and Literature), MA (FAMHISTMA)

Online Degree Search Title: Music History and Literature (MA)

Campus: TEMPE

Program Description:

The MA in music with a concentration in music history and literature focuses on the scholarly study of musical style, musical terminology, reception, historiography, biography and interdisciplinary topics. Faculty provide and participate in multisensory learning experiences concerning forms and genres, performance practices, instruments, spaces, philosophies, musical infrastructures and geographic locations.

Degree Requirements: 30 credit hours, a thesis, a written comprehensive exam, an oral comprehensive exam and a foreign language exam.

At least 20 credit hours of this program must be in the field of music history and literature. The degree credit requirements are distributed as follows:

3 hours in Music Bibliography

6 hours in Music History Seminar

5 hours in Music Theory (two courses totaling a minimum of 5 hours)

2 hours in Performance Ensembles

8 hours in Electives in Musicology, Ethnomusicology or Related Fields*

6 hours in Thesis

*Selected in consultation with the supervisory committee

A passing grade on the Foreign Language Exam in French, German, Italian or Spanish is required for graduation.

Additional information on degree requirements for all graduate music programs may be found on the checksheets posted here:

<http://music.asu.edu/students/grad/checksheets.php> (<http://music.asu.edu/students/grad/checksheets.php>).

Admission Requirements:

Applicants who meet the following requirements are eligible to apply.

- U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country

- B" (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work

If the applicant's native language is not English (regardless of where they may now reside), they must provide proof of English proficiency. The School of Music does not offer conditional admission under any circumstances.

- TOEFL score of at least 550 (PBT) or 80 (iBT)

- IELTS overall band score of at least 6.5

- Pearson Test of English (PTE) score of at least 60

Application Requirements

- Graduate Education application and application fee: <https://students.asu.edu/graduate/admissions> (<https://students.asu.edu/graduate/admissions>)

- School of Music application (including a resume, personal statement and writing sample): <http://music.asu.edu/admissions/grad/applying/> (<http://music.asu.edu/admissions/grad/applying/>)

- three letters of recommendation

- official transcripts

- international applicants: proof of English proficiency <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

Application Deadlines

Applications are reviewed on a rolling basis and are accepted until all spaces are filled. For more information on application deadlines, see <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>). Applicants are encouraged to apply and complete their applications as early as possible. To ensure prompt processing of applications, email MusicAdmissions@asu.edu (<mailto:MusicAdmissions@asu.edu>) after submitting an application.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for

School of Music

<http://music.asu.edu>

MUSIC E167

MusicAdmissions@asu.edu

480-965-5069

Music (Performance), DMA (FAPERFDMA)

Online Degree Search Title: Music Performance (DMA)

Campus: TEMPE

Program Description:

The DMA in music, concentration in performance, is a professional degree program for advanced musicians desiring high levels of performance instruction and experience as well as preparation for teaching positions at the university level. The program provides extensive faculty and guest artist interaction and opportunities to develop advanced skills in traditional and contemporary pedagogy. The opportunity to collaborate with music scholars, theorists, composers, educators and other performers provides students with a broad and well-rounded foundation for advanced careers

in music.

Degree Requirements: 90 credit hours, a research paper, a written comprehensive exam, an oral comprehensive exam and a foreign language exam (Enter "Waived Requirement" in the second Foreign Language box), or 90 credit hours, a research paper, a written comprehensive exam, an oral comprehensive exam and two foreign language exams.

The degree credit requirements are distributed as follows:

39 hours in major area (studio instruction, courses in concentration)

27 hours in music history and music theory

24 hours in recitals and research

The performance concentration requires at least three recitals after admission to the program and a research paper or project.

30 hours from a master's degree may be applied toward the 90-hour degree requirement. Once admitted to the program, a student is required to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the student should expect to spend at least the equivalent of three academic years beyond the bachelor's in the program. A minimum of two semesters must be spent in continuous full-time residence at ASU. At least 54 hours must be completed in residence at ASU.

Additional information on degree requirements for all graduate music programs may be found on the checksheets posted here:

<http://music.asu.edu/students/grad/checksheets.php> (<http://music.asu.edu/students/grad/checksheets.php>).

Admission Requirements:

Students seeking admission typically hold an MM degree. Applicants with other degrees are considered if they have received graduate training similar to that normally expected in a Master of Music program.

Applicants who meet the following requirements are eligible to apply.

- U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country
- B" (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

- TOEFL score of at least 550 (PBT) or 80 (iBT)
- IELTS overall band score of at least 6.5
- Pearson Test of English (PTE) score of at least 60

The School of Music does not offer conditional admission under any circumstances.

Application Requirements

Materials due by Oct. 1 for spring admission and Dec. 1 for fall admission:

- Graduate Education admission application and application fee: <https://students.asu.edu/graduate/admissions> (<https://students.asu.edu/graduate/admissions>)
- School of Music Application (including a resume, personal statement and repertoire list): <http://music.asu.edu/admissions/grad/applying/> (<http://music.asu.edu/admissions/grad/applying/>)
- prescreening recording: <http://music.asu.edu/admissions/auditions/prescreening.php> (<http://music.asu.edu/admissions/auditions/prescreening.php>)

Materials required to complete your application for faculty review and audition consideration:

- three letters of recommendation
- official transcripts
- GRE/MAT Scores
- piano pedagogy applicants: teaching demonstration video http://music.asu.edu/admissions/auditions/grad/piano_pedagogy.php (http://music.asu.edu/admissions/auditions/grad/piano_pedagogy.php)
- international applicants: proof of English proficiency <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Application Deadlines

The deadline for submission of the Graduate Education admission application, School of Music application and prescreening recording is Oct. 1 for spring admission and Dec. 1 for fall admission. For more information on application deadlines, see <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>). After receipt of complete application materials (including recommendation letters, transcripts and

English proficiency) and review of prescreening materials, an applicant may be invited for a live audition: <http://music.asu.edu/admissions/auditions/> (<http://music.asu.edu/admissions/auditions/>). GRE/MAT scores may be submitted after the Oct. 1 and Dec. 1 deadlines, but must be received before enrollment at ASU.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Music Education, MM (FAMUSEDMM)

Online Degree Search Title: Music Education (MM)

Campus: TEMPE

Program Description:

The MM in music education is designed for individuals interested in music teaching and learning in public and private schools, community education settings, early childhood programs, and adult education. Practicing teachers as well as community musicians and music educators interested in advanced studies in music teaching and learning may enroll. Students may elect courses in each part of the degree program and can design a course of study that meets their specific interests and needs. The degree provides opportunities to study full time, part time (through evening courses), in the summers only, or by combining full-time, part-time and summer study. Full-time students may complete the degree in as little as one year.

Degree Requirements: 32 credit hours and a written comprehensive exam.

The degree credit requirements are distributed as follows:

10 hours in music education core

10 hours in musicianship core

12 hours in specialization

Six credits may be transferred from another regionally accredited graduate institution. Up to nine credits may be taken prior to admission.

Additional information on degree requirements for all graduate music programs may be found on the checksheets posted here:

<http://music.asu.edu/students/grad/checksheets.php> (<http://music.asu.edu/students/grad/checksheets.php>).

Admission Requirements:

Applicants who meet the following requirements are eligible to apply.

- U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country
- B" (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency:

- TOEFL score of at least 550 (PBT) or 80 (iBT)
- IELTS overall band score of at least 6.5
- Pearson Test of English (PTE) score of at least 60

The School of Music does not offer conditional admission under any circumstances.

Application Requirements

- Graduate Education application and application fee: <https://students.asu.edu/graduate/admissions> (<https://students.asu.edu/graduate/admissions>)
- School of Music Application (including a resume): <http://music.asu.edu/admissions/grad/applying/> (<http://music.asu.edu/admissions/grad/applying/>)
- three letters of recommendation
- official transcripts
- proof of English proficiency (international applicants): <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Application Deadlines

Applications are accepted until all spaces are filled and reviewed on a rolling basis. Applicants are encouraged to complete their applications as early as possible. For more information on application deadlines, see <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>). To ensure prompt processing of applications, email MusicAdmissions@asu.edu (<mailto:MusicAdmissions@asu.edu>) after submitting an application.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Music Therapy, MM (FAMTHERMM)

Online Degree Search Title: Music Therapy (MM)

Campus: TEMPE

Program Description:

The MM in music therapy provides music therapists with graduate-level study in the theory and practice of music therapy. The degree fosters an expanded research perspective in music therapy, emphasizing community partnerships, community-based music therapy program development and external funding, that culminates in a graduate clinical project or thesis. Candidates for the program must hold the credential Music Therapist-Board Certified or a similar international music therapy credential. Candidates for the program must hold undergraduate degrees in either music or music therapy. Applicants who have completed a four-year Bachelor of Music in music therapy and received board certification from the Certification Board for Music Therapists qualify for the two-year track; applicants with an undergraduate degree in music (Bachelor of Music or Bachelor of Arts in music), but not in music therapy, qualify for the three-year track.

Degree Requirements: 33 credit hours including the required applied project course (MUE 586), and a written comprehensive exam, or 33 credit hours, a thesis and a written comprehensive exam, or 63 credit hours including the required applied project course (MUE 586), and a written comprehensive exam, or 63 credit hours, a thesis and a written comprehensive exam.

The degree credit requirements for the two-year track are distributed as follows:

16 hours in music therapy core
8 hours in other studies in music
9 hours in clinical cognate

Three-Year Track: In addition to the above requirements, the three-year track requires 30 hours of deficiency course work for a total of 63 credit hours, including the completion of an internship required for certification.

Additional information on degree requirements for all graduate music programs may be found on the checksheets posted here: <http://music.asu.edu/students/grad/checksheets.php> (<http://music.asu.edu/students/grad/checksheets.php>).

Admission Requirements:

Applicants who meet the following requirements are eligible to apply.

- Applicants must hold a U.S. bachelor's degree in music or music therapy from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country.
- Applicants must have achieved a "B" (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work.

If an applicant's native language is not English (regardless of where they may now reside), they must provide proof of English proficiency: The School of Music does not offer conditional admission under any circumstances.

- TOEFL score of at least 550 (PBT) or 80 (iBT)
- IELTS overall band score of at least 6.5
- Pearson Test of English (PTE) score of at least 60

Application Requirements

- graduate admission application and application fee: <https://students.asu.edu/graduate/admissions> (<https://students.asu.edu/graduate/admissions>)
- School of Music application (including a resume and personal statement): <http://music.asu.edu/admissions/grad/applying/> (<http://music.asu.edu/admissions/grad/applying/>)
- three letters of recommendation

- official transcripts
- audition: http://music.asu.edu/admissions/auditions/grad/music_therapy.php (http://music.asu.edu/admissions/auditions/grad/music_therapy.php)
- international applicants: proof of English proficiency <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

Application Deadlines

Applications are accepted until all spaces are filled and reviewed on a rolling basis. For more information on application deadlines, see <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>). Applicants are encouraged to apply and complete their applications as early as possible. To ensure prompt processing of applications, email MusicAdmissions@asu.edu (<mailto:MusicAdmissions@asu.edu>) after submitting an application. An in-depth interview emphasizing the applicant's music therapy philosophy, research activities and clinical interests will be scheduled after receipt of complete application materials. A phone interview may be arranged.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Performance (Collaborative Piano), MM (FACPIANOMM)

Online Degree Search Title: Piano, Collaborative (MM)

Campus: TEMPE

Program Description:

Students in the MM in performance, concentration in collaborative piano, perform with all instrumental areas and voice, focusing on collaborative endeavors such as art song recitals, instrumental duos and chamber music, operatic productions and participation in our large ensembles. Students refine specific pianistic skills while developing the knowledge and abilities to be skilled and sensitive musical collaborators. The opportunity to collaborate with music scholars, theorists, composers, educators and other performers provides students with a broad and well-rounded foundation for advanced careers in music.

Degree Requirements: 32 credit hours and a written comprehensive exam.

The degree credit requirements are distributed as follows:

18 hours in collaborative piano and performance (including four recitals)

14 hours of music history, music theory and electives

At least one year of college-level course work in either French, German or Italian and at least one of the following are required:

one semester of diction in each of the two other languages

one semester of language instruction in each of the two other languages

Language deficiencies must be made up during the first year of study.

Additional information on degree requirements for all graduate music programs may be found on the checksheets posted here:

<http://music.asu.edu/students/grad/checksheets.php> (<http://music.asu.edu/students/grad/checksheets.php>).

Admission Requirements:

Applicants who meet the following requirements are eligible to apply.

- U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country
- B" (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency:

- TOEFL score of at least 550 (PBT) or 80 (iBT)
- IELTS overall band score of at least 6.5
- Pearson Test of English (PTE) score of at least 60

The School of Music does not offer conditional admission under any circumstances.

Application Requirements

Materials due by the application deadlines below:

- Graduate Education admission application and application fee: <https://students.asu.edu/graduate/admissions> (<https://students.asu.edu/graduate/admissions>)
- School of Music application (including a resume, personal statement and repertoire list): <http://music.asu.edu/admissions/grad/applying/> (<http://music.asu.edu/admissions/grad/applying/>)

Materials required to complete your application for faculty review and audition consideration:

- three letters of recommendation
- official transcripts
- proof of English proficiency (international applicants): <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

Applicants must perform an audition (<http://music.asu.edu/admissions/auditions/> (<http://music.asu.edu/admissions/auditions/>)) for admission. Auditions are scheduled following receipt of complete application materials.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Application Deadlines

The deadline for submission of the Graduate Education admission application and School of Music application is Oct. 15 for spring admission and Dec. 1 for fall admission. After receipt of complete application materials (including recommendation letters, transcripts and English proficiency), an applicant will be confirmed for a live audition.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Performance (Conducting), MM (HIPERCOMM)

Online Degree Search Title: Performance (Conducting) (MM)

Campus: TEMPE

Program Description:

The MM in performance with a concentration in conducting trains musicians for leadership positions in school, college and professional orchestras and wind bands. The program is appropriate for any musician (teacher or performer) who desires to obtain a position at the college and university level as a conductor of orchestras or wind bands and for public school teachers of orchestras and wind bands.

There are two tracks within this concentration. The wind band track is designed to meet the needs of the conductor focusing on band directing. Required courses are specific to conducting wind bands, and elective courses can be taken for further band study.

The orchestral track is designed to meet the needs of the conductor focusing on orchestral conducting. Required courses are specific to orchestral conducting, and elective courses provide additional opportunities for further orchestral study.

Degree Requirements: 32 credit hours including the required capstone course (MUP 596 and MUP 597).

Wind Band Track (32):

required core courses (14)

required track courses (11-12)

elective or research courses (4-5)

culminating experience: (2) MUP 596 Solo Performance

MUP 597 Solo Performance

Orchestral Track (32):

required core courses (15)

required track courses (11-12)

elective or research courses (3-4)

culminating experience (2) MUP 596 Solo Performance

MUP 597 Solo Performance

Admission Requirements:

Required for admission to the concentration is a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country.

Admission criteria for the concentration are the same as for the Master of Music in performance, the degree in which this concentration resides, with one exception: an on-campus audition interview is required. As a preliminary step to an on-campus conducting audition, applicants will submit a video recording demonstrating conducting technique. Only those invited by the conducting faculty to audition in person will be allowed to do so. (An invitation to audition is based upon the preliminary video submission.)

Applicants who meet the following requirements are eligible to apply.

- U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country
- B (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency:

- TOEFL score of at least 550 (PBT) or 80 (iBT)
- IELTS overall band score of at least 6.5
- Pearson Test of English (PTE) score of at least 60

The School of Music does not offer conditional admission under any circumstances.

Application Requirements

Materials due by Oct. 1 for spring admission and Dec. 1 for fall admission:

- Graduate Education admission application and application fee: <https://students.asu.edu/graduate/admissions> (<https://students.asu.edu/graduate/admissions>)
- School of Music Application (including a resume, personal statement and repertoire list): <http://music.asu.edu/admissions/grad/applying/> (<http://music.asu.edu/admissions/grad/applying/>)
- prescreening video: <http://music.asu.edu/admissions/auditions/prescreening.php> (<http://music.asu.edu/admissions/auditions/prescreening.php>)

Materials required to complete your application for faculty review and audition consideration:

- three letters of recommendation
- official transcripts

international applicants: proof of English proficiency

<https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

Application Deadlines

The deadline for submission of the Graduate Education admission application, School of Music application and prescreening video is Oct. 1 for spring admission and Dec. 1 for fall admission. After receipt of complete application materials (including recommendation letters, transcripts and English proficiency requirements) and review of prescreening materials, an applicant may be invited for a live audition. Information on the audition component may be found here: <http://music.asu.edu/admissions/auditions/> (<http://music.asu.edu/admissions/auditions/>).

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E183A
music@asu.edu
480-965-2534

Performance (Music Theatre/Opera Performance), MM (FAMUTPOMM)

Online Degree Search Title: Music Theatre/Opera Performance (MM)

Campus: TEMPE

Program Description:

The MM in performance, concentration in music theatre/opera performance (emphasis areas: music theatre performance, opera performance and music theatre direction), stresses individual study and practice, class work and preparation that culminate in the productions of the Lyric Opera Theatre. Every production is fully produced with sets, costumes, lighting and full orchestration. The opportunity to collaborate with music scholars, theorists, composers, educators and other performers provides students with a broad and well-rounded foundation for advanced careers in music.

Degree Requirements: 32 credit hours and a written comprehensive exam.

The degree credit requirements for the music theatre performance/opera performance emphases are distributed as follows:

eight hours of studio instruction

12 hours in courses in emphasis

12 hours in music history, music theory and electives

Sixteen hours of college-level credit in more than one foreign language, chosen from French, German and Italian, are required for graduation.

The degree credit requirements for the music theatre performance direction emphasis are distributed as follows:

four hours in piano studio instruction

15 hours of courses in emphasis

13 hours in music history, music theory and electives

Additional information on degree requirements for all graduate music programs may be found on the checksheets posted here:

<http://music.asu.edu/students/grad/checksheets.php> (<http://music.asu.edu/students/grad/checksheets.php>).

Admission Requirements:

Applicants who meet the following requirements are eligible to apply.

- U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country
- B" (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency:

- TOEFL score of at least 550 (PBT) or 80 (iBT)
- IELTS overall band score of at least 6.5
- Pearson Test of English (PTE) score of at least 60

The School of Music does not offer conditional admission under any circumstances.

Application Requirements

Materials due by Oct. 1 for spring admission and Dec. 1 for fall admission:

- Graduate Education admission application and application fee: <https://students.asu.edu/graduate/admissions> (<https://students.asu.edu/graduate/admissions>)
- School of Music Application (including a resume, personal statement and repertoire list): <http://music.asu.edu/admissions/grad/applying/> (<http://music.asu.edu/admissions/grad/applying/>)
- prescreening video: <http://music.asu.edu/admissions/auditions/prescreening.php> (<http://music.asu.edu/admissions/auditions/prescreening.php>)

Materials required to complete the application for faculty review and audition consideration:

- three letters of recommendation
- official transcripts
- international applicants: proof of English proficiency <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Application Deadlines

The deadline for submission of the Graduate Education admissions application, School of Music application and prescreening video is Oct. 1 for spring admission and Dec. 1 for fall admission. After receipt of complete application materials (including recommendation letters, transcripts and English proficiency) and review of prescreening materials, an applicant may be invited for a live audition (<http://music.asu.edu/admissions/auditions/> (<http://music.asu.edu/admissions/auditions/>)).

Contact Information:

Design & the Arts, Herberger Institute for

School of Music

<http://music.asu.edu>

MUSIC E167

MusicAdmissions@asu.edu

480-965-5069

Performance (Performance Pedagogy), MM (FAPPEDMM)

Online Degree Search Title: Performance Pedagogy (MM)

Campus: TEMPE

Program Description:

The MM in performance pedagogy concentrates on the performance and teaching of Western art music, with an emphasis on pedagogy. Students work on specific performance skills while developing the knowledge and abilities to be music pedagogues in their area. The opportunity to collaborate with music scholars, theorists, composers, educators and other performers provides students with a broad and well-rounded foundation for advanced careers in music.

Degree Requirements: 32 credit hours and a written comprehensive exam.

The degree credit requirements are distributed as follows:

eight hours of studio instruction

eight to twelve hours of courses in concentration (including one solo/lecture recital and one studio recital)

12 to 16 hours of music history, music theory and electives

Vocalists: 16 hours of college-level credit in more than one foreign language, chosen from French, German and Italian are required for graduation.

Additional information on degree requirements for all graduate music programs may be found on the checksheets posted here:

<http://music.asu.edu/students/grad/checksheets.php> (<http://music.asu.edu/students/grad/checksheets.php>).

Admission Requirements:

Applicants who meet the following requirements are eligible to apply.

- U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country
- B" (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency:

- TOEFL score of at least 550 (PBT) or 80 (iBT)
- IELTS overall band score of at least 6.5
- Pearson Test of English (PTE) score of at least 60

The School of Music does not offer conditional admission under any circumstances.

Application Requirements

Materials due by the application deadlines below:

- Graduate Education admission application and application fee: <https://students.asu.edu/graduate/admissions> (<https://students.asu.edu/graduate/admissions>)
- School of Music application (including a resume, personal statement and repertoire list): <http://music.asu.edu/admissions/grad/applying/> (<http://music.asu.edu/admissions/grad/applying/>)
- Voice applicants must submit a prescreening video: <http://music.asu.edu/admissions/auditions/prescreening.php> (<http://music.asu.edu/admissions/auditions/prescreening.php>)

Materials required to complete the application for faculty review and audition consideration:

- three letters of recommendation
- official transcripts
- a teaching demonstration video (piano applicants): http://music.asu.edu/admissions/auditions/grad/piano_pedagogy.php (http://music.asu.edu/admissions/auditions/grad/piano_pedagogy.php)
- proof of English proficiency (international applicants): <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

Applicants must perform an audition (<http://music.asu.edu/admissions/auditions/> (<http://music.asu.edu/admissions/auditions/>)) for admission.

Auditions are scheduled following receipt of complete application materials (and favorable review of prescreening materials, when applicable).

Application Deadlines

Voice applicants: The deadline for submission of the Graduate Education admission application, School of Music application and prescreening Video is Oct. 1 for spring admission and Dec. 1 for fall admission. After receipt of complete application materials (including recommendation letters, transcripts and English proficiency) and review of prescreening materials, an applicant may be invited for a live audition.

Instrumental and Keyboard applicants: The deadline for submission of the Graduate Education admission application and School of Music application is Oct. 15 for spring admission and Dec.1 for fall admission. After receipt of complete application materials (including recommendation

letters, transcripts and English proficiency), an applicant will be confirmed for a live audition.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Performance (Performance), MM (FAPERF3MM)

Online Degree Search Title: Music Performance (MM)

Campus: TEMPE

Program Description:

The MM in performance concentrates on the performance and teaching of Western art music, with an emphasis in performance. Students work on specific skills for their instruments while developing the knowledge and abilities to become leaders in the music community. The opportunity to collaborate with music scholars, theorists, composers, educators and other performers provides students with a broad and well-rounded foundation for advanced careers in music.

Degree Requirements: 32 credit hours and a written comprehensive exam.

The degree credit requirements are distributed as follows:

eight hours of studio instruction

eight to nine hours of courses in concentration (including two public performances)

15 to 16 hours of music history, music theory and electives

Vocalists: 16 hours of college-level credit in more than one foreign language, chosen from French, German and Italian, are required for graduation.

Additional information on degree requirements for all graduate music programs may be found on the checksheets posted here:

<http://music.asu.edu/students/grad/checksheets.php> (<http://music.asu.edu/students/grad/checksheets.php>).

Admission Requirements:

Applicants who meet the following requirements are eligible to apply.

- U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution officially recognized by that country
- B" (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency:

- TOEFL score of at least 550 (PBT) or 80 (iBT)
- IELTS overall band score of at least 6.5
- Pearson Test of English (PTE) score of at least 60

The School of Music does not offer conditional admission under any circumstances.

Application Requirements

Materials due by the application deadlines below:

- Graduate Education admission application and application fee: <https://students.asu.edu/graduate/admissions> (<https://students.asu.edu/graduate/admissions>)
- School of Music Application (including a resume, personal statement and repertoire list): <http://music.asu.edu/admissions/grad/applying/> (<http://music.asu.edu/admissions/grad/applying/>)
- Voice applicants must submit a prescreening video: <http://music.asu.edu/admissions/auditions/prescreening.php> (<http://music.asu.edu/admissions/auditions/prescreening.php>)

Materials required to complete your application for faculty review and audition consideration:

- three letters of recommendation
- official transcripts
- international applicants: proof of English proficiency <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

Applicants must perform an audition (<http://music.asu.edu/admissions/auditions/> (<http://music.asu.edu/admissions/auditions/>)) for admission.

Auditions are scheduled following receipt of complete application materials (and favorable review of prescreening materials, when applicable).

Application Deadlines

Voice applicants: The deadline for submission of the Graduate Education admission application, School of Music application and prescreening video is Oct. 1 for spring admission and Dec. 1 for fall admission. After receipt of complete application materials (including recommendation letters, transcripts and English proficiency) and review of prescreening materials, an applicant may be invited for a live audition.

Instrumental and Keyboard applicants: The deadline for submission of the Graduate Education admission application and School of Music application is Oct. 15 for spring admission and Dec. 1 for fall admission. After receipt of complete application materials (including recommendation letters, transcripts, and English proficiency), an applicant will be confirmed for a live audition.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Socially Engaged Practice in Design and the Arts (Certificate), Certificate (HISEPGRCT)

Online Degree Search Title: Socially Engaged Practice in Design and the Arts

Campus: TEMPE

Program Description:

Socially engaged practice in design and the arts is an evolving area of art and design that uses community participation, reciprocal organizational relationships and collaboration in public contexts to promote civic dialogue and investigate pressing issues of our time. This certificate program provides a theoretical framework, rigorous training and field experience in arts and design in civic and applied settings.

Degree Requirements: 15 credit hours including the required applied project course (ART 593 or AME 593 or DCE 593 or DSC 593 or MUP 593 or THP 593).

required courses (6)

elective courses (6)

culminating experience: applied project (3)*

*a 593 course in ART, AME, DCE, DSC, MUP, or THP

Admission Requirements:

Applicants must meet the admissions criteria for the Graduate Education.

At the graduate level, students must have a minimum GPA of 3.50 from undergraduate study and the maintenance of a 3.50 GPA in the certificate program. Students must submit a letter of intent and a written recommendation or nomination letter.

No admission examinations are required.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
http://herbergerinstitute.asu.edu/institute/initiatives/socially_engaged_certificate/
GHALL 132
HerbergerSEP@asu.edu
480-727-6332

Theatre, MA (FATHEAMA)

Online Degree Search Title: Theatre (MA)

Campus: TEMPE

Program Description:

The MA in theatre introduces students to graduate study in the field of theatre and performance studies and provides a broad base of knowledge in the areas of history and historiography, theory, literature and dramaturgy and practice. Students will have the opportunity to tailor their plan of study to specific research and artistic subject areas and will prepare a research thesis as the culmination of their studies. The program is designed for those who wish to later enter a PhD program, for K-12 educators seeking to expand and amplify their expertise, and for those seeking to advance their knowledge of theatre and performance studies.

Degree Requirements: 30 credit hours, a thesis and a written comprehensive exam.

This program consists of:

- 24 credit hours of graduate course work (15 credits of required courses and nine credits of electives)
- six credit hours devoted to a thesis, chosen by the student and approved by the student's faculty committee

Admission Requirements:

Applicants must submit a Graduate Education online application.

The deadline for application to the School of Film, Dance and Theatre is Feb. 15.

Students should provide:

- current curriculum vitae
- sample of scholarly writing
- statement of purpose*
- GRE general scores**
- three letters of recommendation from professionals familiar with their work
- proof of English language proficiency***

*The statement of purpose should address the student's background and experiences as they relate to the student's reasons for pursuing the doctorate; should describe the student's research interests; and should indicate future career goals.

**Subject scores are optional.

***Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill the requirements of Graduate Education, those of the School of Film, Dance and Theatre, and the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
School of Film, Dance and Theatre
<http://theatreilm.asu.edu/>
GHALL 232
theatre@asu.edu
480-965-5337

Theatre (Arts Entrepreneurship and Management), MFA (HITHEAEMFA)

Online Degree Search Title: Theatre (Arts Entrepreneurship and Management)

Campus: TEMPE

Program Description:

The MFA in theatre with a concentration in arts entrepreneurship and management provides students with the opportunity to learn as part of the unique cohort, MFA in theatre. The concentration teaches the skills of arts entrepreneurship, arts management and arts marketing within the context of the MFA in theatre degree, also grounding students in theories of performance, community-based arts and theatre history and literature. Thus, students develop a holistic understanding of the role of arts managers as enablers of art-making. Students can earn a concurrent certificate in nonprofit leadership and management.

Degree Requirements: 60 credit hours including the required applied project course (THP 693), a practicum and an oral comprehensive exam.

This program requires 60 credit hours, or 63 credit hours if the student applies for and concurrently pursues the Nonprofit Leadership and Management (NLM) graduate certificate.

core course credit hours (15)

concentration course credit hours (27)

elective or research course credit hours (12 or 15*)

culminating experience: applied project and written document with oral defense (3)

- other requirements:

THP 680 Practicum (1)

THP 680 Practicum (1)

THP 684 Internship (1)

*12 elective credit hours are required for the 60 credit MFA. However, if the student elects to pursue the NLM certificate concurrently, then she or he will need to take an additional three credit elective course in the NLM program to complete the certificate and degree requirements.

Admission Requirements:

Students must meet all admission requirements of Graduate Education.

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

In addition, the School of Film, Dance and Theatre requires a minimum of 30 undergraduate semester hours of course work in theatre, film, dance, music, art, or business with a minimum GPA of 3.20 overall.

For the concentration in arts entrepreneurship and management, requirements also include:

- three letters of recommendation from professionals who can speak to the potential for success in arts entrepreneurship or management
- resume
- sample of critical writing, such as a term paper or research project (in lieu of GRE scores)
- statement of educational and professional objectives
- sample of materials indicative of the candidate's potential to succeed as an arts entrepreneur or manager that might include, but are not limited to: publicity materials, marketing plans, budgets, stage management prompt books, grant proposals, business plans
- interview (interviews may be conducted on campus or remotely)

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for

School of Film, Dance and Theatre

<http://theatreilm.asu.edu>

GHALL 232

theatreilm@asu.edu

480-965-5337

Theatre (Directing), MFA (FADIRMFA)

Online Degree Search Title: Theatre (Directing) MFA

Campus: TEMPE

Program Description:

Admission to the directing, performance and performance design concentrations is cohort-based.

The MFA in theatre with a concentration in directing is a program for students who demonstrate serious purpose, professional aspirations, theatrical daring and the desire to explore new work in collaborating with playwrights and in the devising and creation process. Respect for fellow artists and a desire to learn about how all the parts fit together are essential qualities in the successful candidate and, indeed, the successful director. Students are introduced to varied critical viewpoints from select artists and scholars. A hands-on, mentor-student approach is emphasized, with the intent of developing the skill, artistry and communication skills required to be an excellent professional director.

Degree Requirements: 60 credit hours including the required applied project course (THP 693).

This is a three-year program culminating in an applied project. Practical directing and directing classes are approximately 50 percent of the course

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work. Classes also include:

- acting: viewpoints and composition
- assistant directing for a professional or faculty director working on the main stage
- design collaboration
- directing the new play
- dramatic theory and criticism
- dramaturgy
- performance technology
- projects in community-based drama
- re-envisioning
- research methods
- solo performance
- theatre for social change
- theatre history and literature
- theatre organization and management

MFA directors will direct a new work every year. Major assignments may include:

- creating and directing an adaptation of an existing work
- directing a new play by an MFA playwright
- directing one applied project in the main-stage season
- guiding an ensemble in the devising process and directing the resulting devised piece

Directing faculty mentor all student projects. Academic and artistic progress is evaluated at the end of each semester by a faculty committee. Program continuation is contingent upon a successful review. A professional internship is required for each MFA director.

Admission Requirements:

Students are admitted to this program every three years, forming a cohort with their colleagues in the other Master of Fine Arts programs in theatre practice; the next class will begin course work in 2014.

The deadline for application to the School of Film, Dance and Theatre is Jan. 15.

Applicants must submit a Graduate Education online application.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education, those of the School of Film, Dance and Theatre and the Herberger Institute for Design and the Arts.

In addition to the requirements outlined on the Graduate Education website, the School of Film, Dance and Theatre requires additional application components for the Master of Fine Arts in theatre, directing concentration, including:

- a personal interview
- a statement of purpose
- a current resume
- a written directorial approach to a play selected by the reviewing committee
- three letters of reference from professionals familiar with the student's work

Contact Information:

Design & the Arts, Herberger Institute for
School of Film, Dance and Theatre
<http://theatreilm.asu.edu>
GHALL 232
theatreilm@asu.edu
480-965-5337

Theatre (Dramatic Writing), MFA (FADRWRTMFA)

Online Degree Search Title: Theatre (Dramatic Writing) MFA

Campus: TEMPE

Program Description:

The concentration in dramatic writing under the MFA in theatre will include course work in playwriting, screenwriting, historical studies in theatre, dramatic theory, directing new work, literary management, electives and related topics such as writing for solo performance, storytelling, devising and collaborative writing.

The School of Film, Dance and Theatre's support for the production of new plays and performance works written by its Master of Fine Arts students is an aspirational model for other institutions. Student-written work is highlighted in the annual new works series.

Degree Requirements: 60 credit hours including the required applied project course (THP 693).

The program is composed of the following:

required core courses (27)

required concentration courses (9)

elective courses (18)

applied project (6)

The student will write a thesis play as the applied project, which will be developed as one of the following:

- a full production on the school's main stage
- a staged reading
- a workshop production

Admission Requirements:

Potential students must meet all admission requirements of Graduate Education. In addition, applicants should have an undergraduate major in theatre or in creative writing, with a GPA of 3.00 or above. An applicant may have an undergraduate degree outside of theatre or film and may be admitted on the basis of excellent creative writing and academic work. Deficiencies in undergraduate preparation may be removed while pursuing the MFA degree.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Applicants must submit the following:

- three letters of recommendation
- current resume
- statement of career goals and a profile of your writing endeavors or interests
- manuscript sample of one of the following: a full-length play (60 pages or over) or a series of one-act plays (30 pages minimum)

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Contact Information:

Design & the Arts, Herberger Institute for
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<http://theatrefilm.asu.edu>
GHALL 232
theatrefilm@asu.edu
480-965-5337

Theatre (Interdisciplinary Digital Media), MFA (FATHEADMFA)

Online Degree Search Title: Theatre (Interdisciplinary Digital Media) (MFA)

Campus: TEMPE

Program Description:

This graduate concentration is offered through the School of Film, Dance and Theatre in collaboration with the School of Arts, Media and Engineering. It focuses on the growing importance of digital media as a way of making and thinking about art. School of Arts, Media and Engineering courses and research activities prepare students to become sophisticated developers, makers, evaluators and entrepreneurs of digital media, while at the same time completing a sequence of core courses in theatre.

Degree Requirements: 60 credit hours including the required applied project course (THP 693).

The degree requirements are:

- a minimum of 18 hours in core School of Arts, Media and Engineering courses, to be selected in consultation with each student's School of Arts, Media and Engineering graduate advisor
- 15 hours in research and applied project credits

- 27 hours of core courses in theatre theory, history and practice

The overall course of study is developed with the advisor to ensure a breadth of transdisciplinary knowledge.

Admission Requirements:

The deadline for application to the School of Film, Dance and Theatre is Feb. 15, but please note that for financial aid purposes, the School of Arts, Media and Engineering deadline is Feb. 1.

- Applicants must submit a Graduate Education online application.
- Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill the requirements of Graduate Education and those of the School of Film, Dance and Theatre; the School of Arts Media and Engineering and the Herberger Institute for Design and the Arts.

The School of Film, Dance and Theatre requires the following additional application materials for the master's in interdisciplinary digital media:

- a current resume
- a portfolio of materials that support the statement of purpose (writing samples, electronic performance materials, etc.)
- a statement of purpose detailing the applicant's background in theatre, as well as the applicant's interest in and suitability for work in the interdisciplinary of theatre and digital media
- three letters of recommendation from professionals familiar with the applicant's work

Contact Information:

Design & the Arts, Herberger Institute for
School of Film, Dance and Theatre
<http://theatrefilm.asu.edu/>
GHALL 232
theatrefilm@asu.edu
480-965-5337

Theatre (Performance Design), MFA (FAPERDMFA)

Online Degree Search Title: Theatre (Performance Design) MFA

Campus: TEMPE

Program Description:

Admission to the directing, performance and performance design concentrations is cohort-based.

ASU offers a strenuous and innovative MFA in theatre with a concentration in performance design program that focuses on a nontraditional approach to design training in preparation for the theatrical design challenges of the future. The design student works with an ensemble of designers, directors and performers to create new projects that redefine the role of the traditional designer.

Skills for approaching and creating new work include:

- design applications in multimedia
- development of artistic entrepreneurship and integrity
- drafting and computer imaging
- new work development

Performance design students work in multiple venues, including the 481-seat Galvin Playhouse, 164-seat Lyceum Theatre, two studios and one experimental space. In addition, students work in the shops, a design studio and a computer-imaging lab.

Degree Requirements: 60 credit hours including the required applied project course (THP 693).

This is a three-year program culminating in an applied project.

- Academic and artistic progress is evaluated at the end of each semester by a faculty committee.
- A professional internship is required and can be fulfilled anytime after the first year of study.
- Students conclude with an applied ensemble design project suited to their needs and interests.
- The first year is dedicated to creating an ensemble, as well as honing the skills needed to visually communicate ideas to a director and audience.
- The second year concentrates on new work development that will culminate in a tour. This year also concentrates on strengthening design abilities.
- The third year serves as a bridge between the educational and professional theatre and the communities they serve.

Program continuation is contingent upon a successful review.

Admission Requirements:

Students are admitted to this program every three years, forming a cohort with their colleagues in the other Master of Fine Arts programs in theatre practice; the next class will begin course work in 2014.

Students must fulfill both the requirements of Graduate Education, those of the School of Film, Dance and Theatre and the Herberger Institute for Design and the Arts.

The deadline for application to the School of Film, Dance and Theatre is March 15.

Applicants must submit a Graduate Education online application.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

The School of Film, Dance and Theatre requires the following additional application components:

- academic writing sample
- current resume
- personal interview
- portfolio of 10 samples of visual work to be presented at interview
- three letters of recommendation from professionals familiar with the student's work
- written statement of purpose

Contact Information:

Design & the Arts, Herberger Institute for

School of Film, Dance and Theatre

<http://theatrefilm.asu.edu>

GHALL 232

theatrefilm@asu.edu

480-965-5337

Theatre (Performance), MFA (FAPERFMFA)

Online Degree Search Title: Theatre Performance (MFA)

Campus: TEMPE

Program Description:

The MFA in theatre, concentration in performance re-envision the role of the artist in society focusing on the devising and development of new work. The program stresses an actor-creator model as well as fostering a critical, conceptual thinker and collaborator by offering skills for developing artistic entrepreneurship, innovating performance applications in multimedia and interdisciplinary collaboration, informed by artistic integrity and social responsibility.

The school offers multiple approaches to new work development:

- connected motion
- devising
- Fitzmaurice voicework
- Lecoq
- new play development
- performance technology
- rasaboxes
- solo and collaborative performance
- Viewpoints

In addition to core physical and vocal training, the program offers a rich variety of guest artists each semester, undergraduate level teaching opportunities, study abroad opportunities, funding for national and international conference travel, and career development internship opportunities.

During the third year of study, candidates conduct professional career development internships. In the past, students have completed internships at:

- Chicago Dramatist Theatre
- Cleveland Playhouse
- Dah Theatre, Belgrade, Serbia
- Hartford Stage

- North Coast Rep
- One Yellow Rabbit
- SITI Company
- Synetic Theatre
- Theatre L'Homme Dieu
- The Bali Purnati Art Centre
- Victory Gardens

Eight performers will be admitted to the cohort every three years.

Degree Requirements: 60 credit hours including the required applied project course (THP 693).

This is a three-year program culminating in an applied project.

- The first year is dedicated to intensive movement; acting and Fitzmaurice voice training; ensemble building and devising with a focus on Lecoq, Rasaboxes, Viewpoints, and Meisner. The year will culminate in a final site-specific show case performance.
- Second-year training provides opportunities for students to explore their work in a wide range of performance modalities such as community-embedded drama, performance art, solo performance, performance and technology, devising, and working with guest artists. Performers collaborate with the MFA designers, directors, and playwrights to devise a new scripted performance for the mainstage season.
- The third year culminates in an applied performance project serving as a bridge between the educational and professional worlds and the communities they serve.

Students conclude their graduate studies with an applied performance project, specifically suited to their needs and interests. Academic and artistic progress is evaluated at the end of each semester by a faculty committee. Program continuation is contingent upon a successful review. A professional career development internship is required.

Admission Requirements:

Applicants must submit a Graduate Education online application. An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Students are admitted to this program every three years, forming a cohort with their colleagues in the other Master of Fine Arts programs in theatre practice. The next class will begin course work in 2014. The deadline for application to the School of Film, Dance and Theatre is March 15.

The School of Film, Dance and Theatre requires additional application components for the Master of Fine Arts in theatre (performance):

- current resume
- statement of purpose
- academic writing sample
- an audition
- an interview, either on campus or at one of the university or resident theatre association sites
- three letters of recommendation from professionals familiar with the student's work

Students must fulfill both the requirements of Graduate Education and those of the School of Film, Dance and Theatre.

Contact Information:

Design & the Arts, Herberger Institute for
School of Film, Dance and Theatre
<http://theatrefilm.asu.edu>
GHALL 232
theatrefilm@asu.edu
480-965-5337

Theatre (Theatre For Youth), MFA (FAYOUTHMFA)

Online Degree Search Title: Theatre for Youth (MFA)

Campus: TEMPE

Program Description: This MFA program educates artists, teachers, scholars and advocates to take a leading role in the future of theatre. With a dual focus on working with young people and serving a diverse global community, students are equipped with the skills, knowledge, and understanding to become national and international leaders in the field.

Students are prepared for careers in professional theatre as artists or education directors, specialists in arts organizations, or as teachers in

elementary or secondary education.

Students who have pursued the theatre for youth concentration under the MFA in Theatre have also frequently applied and obtained an Arizona State Teacher Certification or graduate certificates in nonprofit leadership and management or socially engaged practice in design and the arts outside of this degree program.

Degree Requirements: 60 credit hours including the required applied project course (THP 693), a written comprehensive exam and an oral comprehensive exam.

This is a three-year program. Required core courses are supplemented by elective courses in an emphasis area. The emphasis areas prepare students for careers in professional theatre, as artists or education directors, specialists in arts organizations or as teachers in elementary or secondary education. An internship with a professional theatre company, school or arts organization and a final applied project complete the program.

Admission Requirements:

Each year, four applicants are selected.

Applicants must submit:

- a Graduate Education online application and fee
- GRE exam scores
- immunization records
- international student visa information
- proof of English language proficiency*
- transcripts

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the School of Film, Dance and Theatre, and the Herberger Institute for Design and the Arts. The deadline for application to the School of Film, Dance and Theatre is Feb. 1.

The following additional application components are also required:

- current resume
- statement of purpose clearly explaining the applicants aesthetic and educational philosophies and future career goals**
- an interview***
- three letters of recommendation from professionals familiar with the applicant's work

**After reading these statements, the faculty should understand not only applicants' current passions, but also why the theatre for youth program at ASU would be an appropriate fit to meet students' educational, practical and scholarly goals. The program accepts thoughtful, well-informed artists, scholars, educators and citizens.

***Applicants are invited to a group interview date, normally scheduled on the first Friday of February.

Contact Information:

Design & the Arts, Herberger Institute for
School of Film, Dance and Theatre
<http://theatrefilm.asu.edu>
GHALL 232
theatrefilm@asu.edu
480-965-5337

Theatre (Theatre For Youth), PHD (FAYOUTHPHD)

Online Degree Search Title: Theatre for Youth (PhD)

Campus: TEMPE

Program Description:

This PHD program educates artists, teachers, and scholars to take a leading role in the future of theatre. With a dual focus on working with young people and serving a diverse global community, we equip our students with the skills, knowledge, and understanding to become national and international leaders in the field.

Graduates are prepared for careers as leading academics and researchers in the fields of theatre, theatre education, youth studies and related fields.

Degree Requirements: 90 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The concentration in theatre for youth requires:

- a core of 30 credit hours
- 24 credit hours in research and dissertation preparation
- courses in research methodology, approved by the supervisory committee (six credit hours).*

*Where appropriate, the supervisory committee may approve certification of literacy in a foreign language as meeting this research methodology requirement. This approval is granted only in those circumstances wherein fluency in that language is necessary for the dissertation research.

In meeting these requirements, students, with the advice of the supervisory committee, may select theatre courses in areas such as:

- community-based theatre
- theatre education
- theatre for social change
- theatre history
- theatre theory and criticism
- tutorial courses

Students may also take courses outside the School of Film, Dance and Theatre in areas such as:

- area studies
- aesthetic theory
- children's literature
- critical and cultural studies
- educational theory and methodology
- languages and literatures
- the arts and arts education

All activities are selected to help students meet the goals of the program and develop the capability of becoming leaders in the field.

Additional Requirements:

- preliminary reviews of a student's performance in courses and development of research skills, artistic skills and teaching competencies conducted by the supervisory committee at the end of each semester
- comprehensive examinations composed of written and oral components centering on theatre history, literature and criticism, theatre for youth and theatre education and the research area
- dissertation developed from an approved prospectus, based on original research work of high quality, demonstrating proficiency in the student's special field and adding new knowledge

Admission Requirements:

Applicants must submit:

- a Graduate Education online application
- application fee
- GRE exam
- proof of immunizations
- international student visa information
- proof of English language proficiency*
- transcripts

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of the Graduate Education and those of the School of Film, Dance and Theatre.

The deadline for application to the School of Film, Dance and Theatre is Jan. 15.

The School of Film, Dance and Theatre requires additional application components for the doctoral program in theatre with a concentration in theatre for youth:

- an interview
- current curriculum vitae

- sample of scholarly writing
- statement of purpose, which should explain the applicant's research, artistic and educational philosophies and goals, as appropriate to the applicant's desired focus in the doctoral program; explain also how study in the ASU theatre for youth program might particularly suit these goals and philosophies
- three letters of recommendation from professionals familiar with the applicant's work that should address, specifically, the applicant's potential for success in a doctoral program

Contact Information:

Design & the Arts, Herberger Institute for
School of Film, Dance and Theatre
<http://theatreilm.asu.edu/>
GHALL 232
theatreilm@asu.edu
480-965-5337

Theatre (Theatre/Performance Americas), PHD (FAPERAMPHD)

Online Degree Search Title: Theatre (Performance America) PhD

Campus: TEMPE

Program Description:

The PhD in theatre with a concentration in theatre and performance of the Americas trains scholars to examine the histories, theories and practices associated with cultural performance, from a hemispheric point of view. Through course work, seminars, research and study opportunities, doctoral students work from diverse critical perspectives that mobilize thought across geographical and disciplinary borders. They develop skills to re-examine and interrogate the canon of theatre as text and as performance, expanding the traditional boundaries of theatre studies in two ways: via a perspective that considers the shared histories and practices of theatre and performance in the Americas as central to an intervention in traditionally narrated histories and theories of theatre; and via the methodologies of cultural and performance studies that accommodate other forms of embodied expression related to, but distinct from, formal theatrical expression.

The course of study is designed to provide substantive historical and theoretical grounding in the field, while allowing flexibility in the choice of specialized seminar and practical experiences. The first year of study immerses students in the theoretical and practical groundwork of performance research, in general, and modalities of performance in the Americas, in particular. In the second year, students build on research interests identified in the first year, through specialized course work and practical experience.

Degree Requirements: 90 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

A total of 60 credit hours are required after completion of a master's in a relevant discipline.

The concentration in theatre and performance of the Americas consists of:

- a core of 24 hours
- 12 hours of electives, two of which must come from outside the school (as approved by the supervisory committee)
- 24 hours of research and dissertation preparation

In meeting these requirements, students, with the advice of the supervisory committee, may select theatre courses in areas such as:

- community-based theatre
- dramaturgy
- theatre for social change
- theatre history
- theatre theory and criticism
- topics seminars

Students may also take courses outside the School of Film, Dance and Theatre in areas such as critical and cultural studies, area studies, languages and literatures, and aesthetic theory. All activities are selected to help students meet the goals of the program and develop the capability of becoming leaders in the field.

Preliminary Reviews

Reviews of the student's performance in courses and development of research skills, artistic skills and teaching competencies are conducted by the supervisory committee at the end of each semester.

Comprehensive Examinations

Examinations are composed of written and oral components centering on theatre history, literature and criticism, theatre and performance of the Americas and the research area.

Dissertation Requirements

A dissertation based on original high-quality research work demonstrating proficiency in the student's special field is required.

Admission Requirements:

Applicants must submit a Graduate Education online application.

Students must fulfill both the requirements of Graduate Education, including those regarding English proficiency, and those of the School of Film, Dance and Theatre.

The deadline for application to the School of Film, Dance and Theatre is Jan. 15.

The School of Film, Dance and Theatre requires additional application components:

- current curriculum vitae
- sample of scholarly writing
- statement of purpose*
- GRE exam scores
- three letters of recommendation from professionals familiar with the student's work

*The statement of purpose should address the student's background and experiences as they relate to the student's reasons for pursuing the doctorate; should describe the student's research interests; and should indicate future career goals.

An interview is strongly recommended.

Please note only students who have already earned a master's in a relevant area are accepted.

Contact Information:

Design & the Arts, Herberger Institute for
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<http://theatrefilm.asu.edu>
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theatre@asu.edu
480-965-5337

Urban Design, MUD (ARMUDMUD)

Online Degree Search Title: Urban Design (MUD)

Campus: TEMPE

Program Description:

Situated within The Design School, the MUD program is a transdisciplinary postprofessional graduate program integrating newly emerging research and applied practices from the disciplines of architecture, landscape architecture, ecology, law, civil engineering, planning, public programs, systems theory and real estate development with the ever changing realities of our larger world. The program leverages our local Arizona conditions --- our rapidly urbanizing metropolis, arid climate, cultural diversity and our New American University --- toward the development of responsible global initiatives and innovative design strategies for urban environments.

The curriculum is built around the analysis and understanding of contemporary urban conditions specific to rapidly urbanizing and arid regions of the world. Students are encouraged to pursue concurrent graduate degrees within The Design School.

Degree Requirements: 45 credit hours and a thesis, or 45 credit hours including the required applied project course (MUD 593), or 45 credit hours including the required capstone course (MUD 622).

Master of Urban Design (MUD) Degree Requirements:

First Year

Fall

MUD 590 Advanced Urban Design Studio I (5)

MUD 598 Urban Design Elements(3)

Design Professional Elective (3)

Spring

ATE 598 Topic: Sustainability of the Built Environment (3)

MUD 591 Advanced Urban Design Studio II (5)

MUD 598 Urban Design Issues (3)

Summer (recommended but not required)

Professional Internship or Design Professional Elective or Design School International Study Abroad Program (3)

Second Year

Fall

MUD 621 Advanced Urban Design Studio III (5)

MUD 692 Research (3)

Design Professional Elective (3)

Spring

MUD 622 Advanced Urban Design Studio IV, or MUD 599 Thesis, or MUD 593 Applied Project (5)

Design Professional Elective (3)

Urban Design Professional Elective (3)

Total credit hours in program: 45

Admission Requirements:

Applicants must submit a Graduate Education online application.

Applicants who hold a studio based four-year undergraduate design degree will be considered for the two-year MUD program. The MUD is a postprofessional program.

Program Admission Requirements

- Applicants must hold an undergraduate or graduate degree from a college or university recognized by ASU in a studio-based design discipline.
- Applicants must meet the minimum GPA requirements as established by Graduate Education.
- Applicants must provide an official copy of GRE scores (unofficial copies will not be accepted). For more information, visit the GRE website or <https://uoeee.asu.edu/testing> (<https://uoeee.asu.edu/testing>).
- Applicants whose native language is not English (regardless of where they may now reside) are required to submit an official Test of English as a Foreign Language (TOEFL) score of at least 80 (Internet-based) or 550 (paper-based). Other information for international applicants can be found on the Graduate Education website at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).
- A portfolio, letter of intent, and contact information for three references need to be submitted to SlideRoom (<https://asuherberger.slideroom.com>) (<https://asuherberger.slideroom.com>). The Design School requires that these be submitted in addition to the Graduate Education application requirements.

Students must fulfill both the requirements of Graduate Education and those of the Herberger Institute for Design and the Arts.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Applicants may be admitted to the two-year program with deficiencies if their previous course work is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary. Please keep in mind that this may cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Contact Information:

Design & the Arts, Herberger Institute for

The Design School

<http://design.asu.edu/>

CDN 162

designgrad@asu.edu

480-727-7919

Visual Communication Design, MVCD (HIVCDMVCD)

Online Degree Search Title: Visual Communication Design (MVCD)

Campus: TEMPE

Program Description:

The MVCD degree is a 60-credit-hour studio-based degree program. Students of this program work on strategic visual communication design projects with a focus on the development of visual language systems firmly grounded on the principles of information design, typography and interaction design. Students engage in visual and theoretical research, ideation, visualization, prototyping and testing of creative solutions that address critical problems faced in the contemporary visual world. Graduates of this program are adept in working with fundamental principles of visual communication design, emotional intelligence and systems thinking in problem identification and its appropriate contextual solutions. The graduates pursue professional practice in visual communication and multimedia industry as well as academia.

Degree Requirements: 60 credit hours including the required capstone course (GRA 622).

Two-year track

core: 43 credit hours

electives: 6 credit hours

internship: 6 credit hours (DSC 598, GRA 584)

capstone: 5 credit hours (GRA 622)

Three-year track

deficiency courses: 21 credit hours

graduate courses, internship and a capstone course: 81 credit hours

Admission Requirements:

All applicants must complete the Graduate Education online application.

Admissions Requirements to the Two-Year Program

- All applicants must hold an undergraduate or graduate degree from a college or university recognized by ASU.
- All applicants must have completed a minimum of a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in visual communication design or graphic design.
- All applicants must meet the minimum GPA requirements as established by Graduate Education.
- Applicants whose native language is not English (regardless of where they may now reside) are required to submit an official Test of English as a Foreign Language (TOEFL) score of at least 80 (Internet-based) or 550 (paper-based). Other information for international applicants can be found on the Graduate Education website at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).
- A portfolio, letter of intent and contact information for three references need be submitted to SlideRoom (<https://asuherberger.slideroom.com>) (<https://asuherberger.slideroom.com>). The Design School requires that these be submitted in addition to the Graduate Education application requirements.

No GRE test is required.

Admissions Requirements to the Three-Plus-Year Program

- All applicants must hold an undergraduate or graduate degree from a college or university recognized by ASU.
- All applicants must have earned a bachelor's degree (or equivalent) in a field other than in visual communication design or graphic design.
- All applicants must meet the minimum GPA requirements as established by Graduate Education.
- Applicants whose native language is not English (regardless of where they may now reside) are required to submit an official Test of English as a Foreign Language (TOEFL) score of at least 80 (Internet-based) or 550 (paper-based). Other information for international applicants can be found at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).
- A portfolio, letter of intent and contact information for three references need be submitted to SlideRoom (<https://asuherberger.slideroom.com>) (<https://asuherberger.slideroom.com>). The Design School requires that these be submitted in addition to the Graduate Education application requirements.

No GRE test is required.

Students must fulfill the requirements of both Graduate Education and those of the Herberger Institute for Design and the Arts.

Admission to the program is selective. Admission cannot be deferred; students must enroll in the semester for which they are admitted, otherwise they will need to go through the entire application process again for the year in which they are applying.

Applicants may be admitted to the two-year program with deficiencies if their previous course work is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required courses, if necessary. Please keep in mind that this may cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the Academic Catalog Archive 2014-2015 330

department.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://herbergerinstitute.asu.edu/>
CDN 162
designgrad@asu.edu
480-727-7919

Engineering, Ira A. Fulton Schools of

Aerospace Engineering, MS (ESAEROSPMS)

Online Degree Search Title: Aerospace Engineering (MS)

Campus: TEMPE

Program Description:

The aerospace engineering MS program offers two track options: a thesis option and a nonthesis option.

The nonthesis option has two possible culminating experiences: a portfolio or an applied project. The applied project option requires a faculty advisor.

All students are admitted to the nonthesis option unless a faculty thesis advisor is secured, at which time the student can initiate a change to the thesis option.

Degree Requirements: 30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (MAE 593).

The plan of study, or iPOS, must be in accordance with university and program requirements. A minimum cumulative GPA of 3.00 is required throughout the program. Candidates for the program must complete a minimum of 30 credit hours of courses at the 500 level and above, with a minimum cumulative GPA of 3.00 or above in the following courses:

- at least 12 credit hours of graduate MAE course work (500 level and above) for thesis students, and at least 15 credit hours of graduate MAE course work (500 level and above) for nonthesis students
- at least six credit hours of graduate mathematics-oriented courses (500 level and above)
- at least six credit hours of additional graduate (500 level and above) courses, which are not restricted to MAE courses or to other technical electives*
- six credit hours of MAE 599 Thesis for thesis students or up to six hours of MAE 593 Applied Project for applied project students, or three hours of additional graduate electives (500 level and above) for portfolio students**

A final defense of the thesis will be required for students in the thesis option.

*A maximum of 3 credit hours of MAE 584 Internship may be counted toward this requirement.

**These additional three hours of graduate electives are not restricted to MAE courses.

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Aerospace Engineering (Aeronautics), BSE
- Aerospace Engineering (Astronautics), BSE
- Aerospace Engineering (Autonomous Vehicle Systems), BSE
- Mechanical Engineering, BSE
- Mechanical Engineering (Computational Mechanics), BSE
- Mechanical Engineering (Energy and Environment), BSE

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Admission to the aerospace engineering graduate program is highly competitive. To be considered for admission to the master's program, the student must submit these items:

- online Graduate Education application
- application fee
- official GRE score
- proof of English language proficiency*
- official transcripts from all prior institutions attended
- personal statement
- resume or curriculum vitae
- three letters of recommendation

*Applicants whose native language is not English (regardless of where they may now reside) are required to achieve a minimum score of 80 on the Internet-based Test of English as a Foreign Language (TOEFL).

Students must fulfill both the requirements of Graduate Education and the Ira A. Fulton Schools of Engineering.

Application priority deadlines are Jan. 15 for fall semester and Aug. 1 for spring semester.

Contact Information:

Engineering, Ira A. Fulton Schools of
 Mechanical and Aerospace Engineering Program
<http://engineer.asu.edu/programs/esaerspms>
 ECG 207
semtegrad@asu.edu
 480-965-4979

Aerospace Engineering, PHD (ESAERSPPHD)

Online Degree Search Title: Aerospace Engineering (PhD)

Campus: TEMPE

Program Description:

The PhD program in aerospace engineering accommodates individual interests and encourages independent and innovative study. Students are part of a diverse intellectual community dedicated to advancing the state of the art and practice of aerospace engineering.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

84 credit hours

qualifying exam

written and oral comprehensive exams

prospectus

dissertation

All students pursuing the PhD are required to pass both a qualifying and a comprehensive examination administered by the program committee. In addition:

course work directly related to the research area (18)

mathematics (9)

graduate courses outside the major research area (9)

MAE 792 Research

MAE 799 Dissertation credit hours (12)

Students in the PhD program who have not completed an MS degree previously will be allowed to apply for a Master of Science in Passing (MSP) after successfully completing the comprehensive exams.

Admission Requirements:

Admission to the aerospace engineering doctoral program is highly competitive. Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

To be considered for admission to the program, the student must submit these items:

- Graduate Education application
- application fee
- GRE scores
- official transcripts from all prior institutions attended
- personal statement
- resume or curriculum vitae

- proof of English language proficiency*
- three letters of recommendation

*Students whose native language is not English are required to achieve a minimum of score of 80 on the Internet-based Test of English as a Foreign Language (TOEFL).

Application priority deadlines are Jan. 15 for fall admission and Aug. 1 for spring admission.

Contact Information:

Engineering, Ira A. Fulton Schools of
 Mechanical and Aerospace Engineering Program
<http://engineer.asu.edu/programs/esaersphtd>
 ECG 207
semtegrad@asu.edu
 480-965-4979

Aerospace Engineering (Engineering Education), PHD (ESAEEEDPHD)

Online Degree Search Title: Aerospace Engineering (Engineering Education) PhD

Campus: TEMPE

Program Description:

The PhD in aerospace engineering with a concentration in engineering education will prepare students to become scholars, researchers or practitioners in academia. The concentration provides students with an opportunity to explore pedagogy, methodology, curriculum and instruction and apply it to engineering.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

credit hours of course work directly related to the research area (18)

credit hours of courses in methodology, curriculum and instruction (15)

credit hours of mathematics courses (9)

credit hours of additional course work and research related to dissertation (30)

prospectus

dissertation (12)

written and oral comprehensive exams

Admission Requirements:

To be considered for admission to the doctoral program the student must submit these items:

- Graduate Education application
- application fee
- GRE scores
- official transcripts from all prior institutions attended
- personal statement
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency*

*An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Applications are due Jan. 31 for fall admission and July 1 for spring admission.

Contact Information:

Engineering, Ira A. Fulton Schools of
 Mechanical and Aerospace Engineering Program
<http://engineer.asu.edu/graduate>
 ECG 207
semtegrad@asu.edu
 480-965-4979

Applied Ethics and the Professions (Ethics and Emerging Technologies), MA

(LAAEPEETMA)

Online Degree Search Title: Applied Ethics (Ethics and Emerging Technologies) MA

Campus: TEMPE

Program Description:

The purpose of this program is to examine ethical challenges posed by emerging technologies, including nanotechnology, neurotechnology, biotechnology, robotics and advanced information and communication technology. Not only are these technologies being developed at an unprecedented pace, they also share several unique characteristics, including system complexity, social embeddedness and the potential to converge with one another. Emerging technologies will change how humans live and work and have the potential to alter the very nature of human existence. Questions considered by courses in the program include:

- emerging technologies and public policy
- ethical responsibilities of professionals engaged in development of emerging technologies
- promise and perils of emerging technologies
- whether traditional ethical concepts and processes can and should be applied to emerging technologies

Degree Requirements: 30 credit hours including the required applied project course (AEP 593).

Graduate course work is distributed as follows:

required core courses (6)

required concentration course (3)

elective concentration courses (15)

required culminating experience as capstone courses (6)

Admission Requirements:

All applicants must submit the Graduate Education online application and meet both the Graduate Education and program admission criteria. The following documents are required for the application process:

- official GRE scores are to be sent directly to Graduate Education
- official transcripts from all postsecondary institutions attended are to be sent directly to Graduate Education
- statement of interest in applied ethics and career goals
- three letters of recommendation

Applicants whose native language is not English (regardless of where they may now reside) must demonstrate proficiency in the English language by meeting the Graduate Education English proficiency requirements. Applicants required to demonstrate English proficiency and seeking a teaching assistantship must demonstrate proficiency in spoken English; a score of 55 or better on the Speaking Proficiency English Assessment Kit (SPEAK) or a score of 26 on the speaking portion of the Test of English as a Foreign Language (TOEFL) is required.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of

School of Sustainable Engineering & Built Environmt

<http://ssebe.engineering.asu.edu/prospective-students/gradstudies.html>

ECG 251

sebe.advising@asu.edu

480-965-0595

Applied Psychology, MS (ECAPSYCHMS)

Online Degree Search Title: Applied Psychology (MS)

Campus: POLY

Program Description:

The MS in applied psychology in the Ira A. Fulton Schools of Engineering provides students with opportunities for practical experience in diverse organizations and laboratories as well as internships in a variety of settings. The program is hands-on and challenging, and the field is growing quickly, creating opportunities for further study and employment. The areas of application include the following:

- consumer psychology
- human factors and user experience design
- industrial and organizational psychology

- learning design

Recent graduates are working at places like Intel, Boeing, GoDaddy, Mayo Clinic, PayPal, Motorola, Google and the Air Force Research Lab. Recipients of our master's degree have also gone on to pursue a doctorate at ASU and other prestigious institutions.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required applied project course (PSY 593).

This master's requires the completion of 30 credit hours with a grade point average of 3.00 ("B" grades) or higher. Students have the option of doing a thesis or an applied project to develop and demonstrate professional knowledge and skills. Students who plan to go on to a doctoral program are encouraged to complete a thesis.

Students selecting the thesis option will, under faculty supervision, work on the thesis for at least one calendar year. The first three thesis credits will be devoted to developing an idea and preparing a proposal for approval by a faculty committee. The next three credits will allow for preparing the details of research design and data collection for the thesis (materials, computer programs, experimental text beds, questionnaires, etc.). The final six credits will be devoted to collecting and analyzing data and writing and revising the thesis under the direction of the student's committee chair. Students will defend the thesis in an oral examination.

Students selecting the applied project option will, under faculty supervision, allocate the 12 credit hours to a combination of research, practicum, project activities and report writing appropriate to the goals of the student and the program and the availability of practicum or internship opportunities. In all cases, the project will culminate in a substantial written report followed by a comprehensive oral examination covering the project and other materials from required courses.

Admission Requirements:

The following is required of applicants to complete an application file. Incomplete files will not be reviewed or considered until complete.

- a bachelor's in psychology or a related field (including engineering, computer science or business)
- an online Graduate Education application
- official transcript from each college or university attended
- an English proficiency exam for applicants whose native language is not English*
- official GRE general exam scores
- statement of purpose describing professional and academic aspirations
- three letters of recommendation from college professors, employers (in a human factors related field) or a combination of both academic and professional references

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. International applicants can find complete information on the English proficiency exams and other required documents on the Graduate Education website: <http://graduate.asu.edu/international> (<http://graduate.asu.edu/international>).

For best consideration, the deadline is Feb. 1 for fall applications and Oct. 1 for spring applications. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

Applicants to this program generally have completed an undergraduate course in statistics.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Human Systems Engineering
<http://innovation.asu.edu/degrees-programs/human-environmental-systems/applied-psychology-graduate>
TECH 101
technology@asu.edu
480-727-1874

Biological Design, PHD (GCBDSPHD)

Online Degree Search Title: Biological Design (PhD)

Campus: TEMPE

Program Description:

The doctoral program in biological design seeks to develop a new type of scientist by training students in core disciplines related to biomedicine and biotechnology while simultaneously preparing them to participate successfully in the interdisciplinary research teams of the future.

The research emphasis is on projects that are use-inspired, contributing directly to solutions for important societal challenges. This is a highly
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mentored program of personalized study that provides significant interaction with the large and vibrant local research community. Students are expected to complete the program in four to five years.

The key distinguishing features of the curriculum are:

- a personalized plan of study that allows students to explore the disciplinary and interdisciplinary areas of greatest interest
- a two-semester core course sequence that will provide core training in relevant bio-related areas
- encouragement to choose dissertation research projects that are use-focused, contribute to solving a large-scale challenge and promise rich interdisciplinary experiences
- opportunities to participate in special seminars and outreach activities to encourage broad research interactions
- three 10-week laboratory rotations during the first year of study*

*Rotations can be in any ASU laboratory provided it is centered largely on biological research.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required course work includes:

BDE 701 Fundamentals of Biological Design I (9)

BDE 702 Fundamentals of Biological Design II (3)

BDE 721 Integrative Research (3)

BDE 722 Research Design (3)

BDE 751 Teaching in Science (2)

BDE 791 Seminar (total of 4 credits minimum)

BDE 792 Research (1 credit minimum every semester)

BDE 799 Dissertation (12)

Specialized Disciplinary Courses (total of 6 credits minimum)

Admission Requirements:

Applications for the biological design graduate program are taken and processed through ASU Graduate Education. The application deadline for the program is Jan. 1.

Applicants must submit an online Graduate Education application.

Before submitting the online application, candidates should prepare the following documents:

- GRE test scores: The institution code for ASU is 4007 and the departmental code is 0000. Subject test scores are also recommended but not required.
- Letters of Recommendation: Three letters of recommendation relative to the candidate's academic career are required.
- Personal statement: This document should reflect the candidate's career and educational goals and should explain why they are interested in pursuing this degree.
- Resume: The resume should include prior research and employment experience, honors, awards, memberships held, publications, etc.

For additional Graduate Education application requirements, including transcripts, fees and international application requirements, please see the Graduate Education website.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of

Harrington Bioengineering Program

<http://biologicaldesign.asu.edu/>

ECG 346

biologicaldesign@asu.edu

480-965-3028

Biomedical Engineering, MS (ESBIOENMS)

Online Degree Search Title: Biomedical Engineering (MS)

Campus: TEMPE

Program Description:

The School of Biological and Health Systems Engineering faculty offer a graduate program leading to the MS in biomedical engineering.

Areas of study include:

biomaterials, biosensors, biomarkers and biomimetic materials

- biomedical imaging
- molecular, cellular and tissue engineering
- neural and rehabilitation engineering
- synthetic and systems biology

Biomedical engineering offers both thesis and applied project master's degrees to those students who meet the criteria for successful graduate study.

Biomedical engineering offers a joint BSE and applied project MS in the biomedical engineering degree program. The program allows up to twelve credit hours of graduate-level course work taken as technical electives during the senior year to be applied toward the undergraduate and graduate degrees.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required applied project course (BME 593).

All candidates pursuing a master's in biomedical engineering are required to complete an approved plan of study. Special course requirements for the different areas of study are established by the faculty.

Candidates whose undergraduate degree is in a field other than biomedical engineering may be required to complete more than the required credit hours of the program of study.

The following are program requirements for the applied project option, for a total of 30 credits:

applied project (3)

biomedical engineering course work (13)

biomedical engineering seminar (2)

general electives (6)

quantitative electives (6)

The following are program requirements for the thesis option, for a total of 30 credits:

biomedical engineering course work (9)

biomedical engineering seminar (3)

general electives (6)

quantitative electives (6)

thesis (6)

Accelerated Degrees:

This degree is also offered as an accelerated degree with Biomedical Engineering, BSE

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

In addition to the general requirements for admission to Graduate Education, applicants must submit the following directly to Graduate Education:

- an online Graduate Education application
- official GRE scores
- resume or curriculum vitae
- a statement of purpose
- two letters of recommendation
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of

Harrington Bioengineering Program

<http://sbhse.engineering.asu.edu/>

ECG 346

sbhse@asu.edu

480-965-3028

Biomedical Engineering, PHD (ESBIOENPHD)

Online Degree Search Title: Biomedical Engineering (PhD)

Campus: TEMPE

Program Description:

The School of Biological and Health Systems Engineering faculty offer a graduate program leading to the PhD in biomedical engineering.

Areas of study include:

- biomaterials, biosensors, biomarkers and biomimetic materials
- biomedical imaging
- molecular, cellular and tissue engineering
- neural and rehabilitation engineering
- synthetic and systems biology

The doctoral degree in biomedical engineering is conferred upon evidence of excellence in research resulting in a scholarly dissertation that is a contribution to knowledge.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required Bioengineering Courses

Doctoral students are required to complete six credits from each of the following three areas (at least 18 credits):

BME graduate courses (BME prefix) (6)

life science/biology graduate courses (6)

quantitative math or engineering (6)

Students must also complete BME 780 Teaching Practicum (3).

Up to six credits of the required biomedical engineering courses and technical electives combined may be at the 400 level.

Technical Electives

No fewer than nine semester hours of course work (as determined by the student's supervisory committee) must be selected from the list of 400- to 700-level courses that are not selected as required BME courses.

Research/Dissertation

BME 792 Research (37)

BME 799 Dissertation (12)

Seminar

BME 591 (5)

Admission Requirements:

In addition to the general requirements for admission to Graduate Education, applicants must submit the following directly to the Graduate Education office:

- an online Graduate Education application
- official GRE scores
- a statement of purpose
- resume or curriculum vitae
- three letters of recommendation
- proof of English proficiency*

*An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering. Please view the School of Biological and Health Systems admissions checklist on the Web for specific admissions procedures and deadlines.

Contact Information:

Engineering, Ira A. Fulton Schools of

Harrington Bioengineering Program

<http://sbhse.engineering.asu.edu/>

ECG 346

Chemical Engineering, MS (ESCHEMEMS)

Online Degree Search Title: Chemical Engineering (MS)

Campus: TEMPE

Program Description:

The chemical engineering faculty offer a graduate program leading to the MS in chemical engineering. This degree has two track options: a thesis option and a nonthesis option. The nonthesis option has an applied project. The thesis and applied project options require a faculty advisor. All admitted students are assumed to be in a nonthesis option until a faculty advisor has been secured. Areas of research emphasis include, but are not limited to:

- atmospheric aerosols
- biomolecular engineering
- biosensors
- chemical therapies for neurodegenerative diseases
- composite material synthesis and characterization
- electrochemistry
- electronic materials processing
- engineering education
- flexible display technology
- fuel cells
- inorganic membranes
- process design and operations
- protein synthesis
- surface, interface and colloidal science
- transport phenomena in living systems
- water purification

A graduate handbook detailing information on graduate studies in chemical engineering is available on the school website. Students should contact the graduate programs office for additional details.

Degree Requirements: 33 credit hours and a thesis, or 33 credit hours including the required applied project course (CHE 593).

All candidates for the master's in chemical engineering are required to complete an approved plan of study. The required course work for this degree is divided into the following categories:

Chemical Engineering Core Requirements: Students are required to take nine credit hours of graduate-level chemical engineering courses, exclusive of seminar (CHE 591), research (CHE 592), thesis (CHE 599) and reading and conference (CHE 590). These three courses (nine hours) must come from the following list:

CHE 533 Transport Processes I (3)

CHE 543 Thermodynamics of Chemical Systems (3)

CHE 544 Chemical Reactor Engineering (3)

Technical Electives: The amount of technical electives for each student is nine credits however, the composition of the technical electives will vary based on each student's final culminating experience. At least one technical elective course (three hours) must be taken from outside of chemical engineering. CHE 590 Reading and Conference may be taken as a technical elective only once, for a maximum of three credits.

Thesis: Thesis-based students must select a minimum of nine credit hours of technical electives thesis students may take three hours of CHE 592 Research towards the nine credit hours of technical electives.

Applied Project: Students who are pursuing the applied project option must register for three hours of CHE 593 and will have to complete a total of six hours of technical electives. For more detailed information, please see the Graduate Handbook on the school website.

Seminar: All full-time chemical engineering graduate students are required to successfully complete the seminar course (CHE 591) during every semester of residence. Part-time students are required to complete CHE 591 at least three times. Only three hours of seminar apply toward the master's, regardless how many times it is taken. Candidates whose undergraduate degree was in a field other than chemical engineering may be required to complete more than 33 credit hours.

Accelerated Degrees:

This degree is also offered as an accelerated degree with Chemical Engineering, BSE

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

To be considered for admission to the master's program, the student must submit these items:

- online Graduate Education application
- application fee
- official GRE score
- proof of English language proficiency*
- official transcripts from all prior institutions attended
- personal statement
- resume or curriculum vitae
- three letters of recommendation

*Applicants whose native language is not English (regardless of where they may now reside) are required to achieve a minimum score of 100 on the Internet-based Test of English as a Foreign Language (TOEFL).

Students must fulfill both the requirements of Graduate Education and the Ira A. Fulton Schools of Engineering.

The application deadline for the fall semester is Jan. 15 spring semester is Sept. 1.

Contact Information:

Engineering, Ira A. Fulton Schools of
Chemical Engineering Program
<http://engineer.asu.edu/programs/eschemems>
ECG 207
semtegrad@asu.edu
480-965-4979

Chemical Engineering, MSE (ESCHEMEMSE)

Online Degree Search Title: Chemical Engineering (MSE)

Campus: TEMPE

Program Description:

The chemical engineering faculty offer a professional program leading to the MSE in chemical engineering. The program is designed to bridge the gap between knowledge of engineering sciences and creative engineering practice while at the same time increasing the depth and breadth of knowledge in selected areas of emphasis. The pattern of course work applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter for the degree as authorized here.

Two options are available within the MSE program. The first is a general MSE, where students follow the same course outline as required by the MS, except that they will substitute thesis/research hours with additional elective course work. The second is an MSE with a specialization in semiconductor processing and manufacturing. Both options require completion of an applied project, rather than a thesis, at the conclusion of program course work. Note that financial assistance is not available to students who elect an MSE program.

Degree Requirements: 33 credit hours including the required applied project course (CHE 593).

Additional courses may be assigned by the supervisory committee depending on the background of the candidate. Specific requirements for the two MSE program options are outlined below:

Option 1: General MSE in chemical engineering (nonthesis).

Students who choose this option follow the requirements for the MS (see MS program requirements), but will replace the thesis/research credits with additional credit hours of course work. In addition, MSE students must take three credit hours of seminar. This degree requires a total of 33 credit hours.

After completing the course work, students must complete a report, typically 15-20 double-spaced pages, plus figures, on a topic of their choice (the topic needs to be approved by their committee). At the conclusion of the report, the student will make an oral presentation on the topic to his/her committee.

Option 2: MSE in chemical engineering with a specialization in semiconductor processing and manufacturing (nonthesis).

The MSE in chemical engineering and a specialization in semiconductor processing and manufacturing, involves a total of 33 credit hours. After completing the course work, students must complete a report, typically 15-20 double-spaced pages, plus figures, on a topic of their choice (the topic needs to be approved by their committee). At the conclusion of the report, the student will make an oral presentation on the topic to the committee.

The following courses are required for this degree:

CHE 458/598 Semiconductor Material Processing (3)

CHE 598 Deposition and Etching (3)

EEE 591 Fundamentals of Solid State Devices (3)

IEE 570 or IEE 572 Advanced Quality Control Design of Engineering Experiments (3)

MSE 598 Materials Issues in Semiconductor Processing (3) • six credits of chemical engineering electives at the 520 level or higher

- six credits of technical electives at the 500 level or higher
- three credits of a technical elective at the 400 level or higher

Seminar: In addition to the 30 credits listed above, three credits of the one-unit graduate seminar (CHE 591) are required. Online students can substitute an additional technical elective (500-level or higher) for this requirement.

Admission Requirements:

Applicants to the MSE program are required to submit the following:

- application fee
- Graduate Education online admission application
- current resume
- official Test of English as a Foreign Language (TOEFL) scores, for international students only*
- official transcripts from all prior institutions attended
- resume
- statement of purpose, describing your research interests and reasons for seeking a degree in chemical engineering
- three letters of recommendation from faculty or professionals who can comment on your research and scholarly capabilities**

*Chemical Engineering requires a minimum of 600 for paper-based and 100 for Internet-based for admission consideration.

**Letters of recommendation are submitted via the on-line recommendation system.

Please view the school website for specific admission procedures.

Students applying for the MSE in chemical engineering may have an BS in a field other than chemical engineering. The qualifications of transition students are reviewed by the chemical engineering graduate admission committee, and a special program is designed for successful applicants. Deficiencies for admission to the MSE are specified at the time of admission.

Contact Information:

Engineering, Ira A. Fulton Schools of

Chemical Engineering Program

<http://engineering.asu.edu/semte/>

ECG 337

semtegrad@asu.edu

480-965-4979

Chemical Engineering, PHD (ESCHEMEPHD)

Online Degree Search Title: Chemical Engineering (PhD)

Campus: TEMPE

Program Description:

The chemical engineering PhD program has areas of research emphases in:

- atmospheric aerosols
- biomolecular engineering
- biosensors
- chemical therapies for neurodegenerative diseases
- electrochemistry
- electronic materials processing
- engineering education
- flexible display technology
- fuel cells
- inorganic membranes
- process design and operations

- protein synthesis
- polymers and polymer composites
- surface, interface and colloidal science
- transport phenomena in living systems
- water purification

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

84 credit hours, qualifying exam, written and oral comprehensive exams, prospectus and a dissertation

Core Courses:

CHE 533 Transport Processes I (3)

CHE 543 Thermodynamics of Chemical Systems (3)

CHE 544 Chemical Reactor Methods (3)

Technical Electives (18) (from within or outside chemical engineering program):

CHE 591 Seminar (5)

CHE 792 Research (12)

CHE 799 Dissertation (12)

Additional Research/Elective Hours (28)

Admission Requirements:

To be considered for admission to the doctoral program, the student must submit these items:

- Graduate Education application
- application fee
- GRE scores
- official transcripts from all prior institutions attended
- personal statement
- resume or curriculum vitae
- proof of English language proficiency*
- three letters of recommendation

*Students whose native language is not English (regardless of where they may now reside) are required to achieve a minimum score of 100 on the Internet-based Test of English as a Foreign Language (TOEFL).

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Applications are due Jan. 15 for fall admission and Sept. 1 for spring admission.

Contact Information:

Engineering, Ira A. Fulton Schools of

Chemical Engineering Program

<http://engineer.asu.edu/programs/eschemephd>

ECG 207

semtegrad@asu.edu

480-965-4979

Civil, Environmental and Sustainable Engineering, MS (ESCIVILMS)

Online Degree Search Title: Civil, Environmental, and Sustainable Engineering (MS)

Campus: TEMPE

Program Description:

The faculty in civil, environmental and sustainable engineering offer a graduate program leading to an MS in civil, environmental and sustainable engineering. The program is designed to enhance the knowledge gained in the undergraduate program by requiring the students to understand and practice fundamental concepts in engineering, mathematics and the basic sciences.

The pattern of course work applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here and on the program's website. Students are admitted to one of the following specialty areas:

- environmental engineering
- geotechnical engineering
- hydrosystems engineering
- structural engineering
- sustainable engineering
- transportation engineering

Degree Requirements: 30 credit hours and a thesis.

The written thesis must be original research in nature. All candidates for the master's are required to complete 24 credit hours of approved graduate course work and a minimum of six credit hours of thesis. Additional courses may be assigned by the graduate supervisory committee, depending on the background of the candidate.

A final oral examination in defense of the thesis written work is required for all students.

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Civil Engineering, BSE
- Civil Engineering (Environmental Engineering), BSE
- Civil Engineering (Sustainable Engineering), BSE

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Applicants must submit an online Graduate Education application.

Applicants are expected to satisfy all requirements for both admission to Graduate Education and to the program. Entry into this program requires a bachelor's with a major in engineering or a closely related bachelor's program. The student's credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator. The minimum GPA requirement is an overall undergraduate GPA of 3.00 on a 4.00 scale. Applicants with a lower GPA may be provisionally admitted at the discretion of the admission committee.

A student whose undergraduate degree is not in civil engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree programs are specified at the time of admission and details can be obtained at the graduate studies section of the program's website.

Applicants must take the GRE and have their official scores sent directly to Graduate Education. Prospective students should note the following two requirements need to be met for consideration for admission: minimum score in the quantitative section is 700 and minimum combined score for the quantitative and verbal sections is 1100. More information regarding how to send official GRE scores are on the Graduate Education website.

Applicants are required to submit three letters of recommendation.

Applicants are encouraged to submit a resume and personal statement.

Applicants whose native language is not English (regardless of where they may now reside) must demonstrate proficiency in the English language by meeting Graduate Education's English proficiency requirements. Applicants required to demonstrate English proficiency and seeking a teaching assistantship must demonstrate proficiency in spoken English a score of 55 or better on the Speaking Proficiency English Assessment Kit (SPEAK) or a score of 26 on the speaking portion of the Test of English as a Foreign Language (TOEFL) is required.

Contact Information:

Engineering, Ira A. Fulton Schools of
 Civil, Environmental and Sustainable Eng Program
<http://ssebe.engineering.asu.edu/prospective-students/civil.html>
 ECG 251
sebe.advising@asu.edu
 480-965-0595

Civil, Environmental and Sustainable Engineering, MSE (ESCIVILMSE)

Online Degree Search Title: Civil, Environmental and Sustainable Engineering (MSE)

Campus: ONLNE, TEMPE

Program Description:

The faculty in civil, environmental and sustainable engineering offer a professional program leading to an MSE in civil, environmental and sustainable engineering. The program is designed to bridge the gap between knowledge of engineering sciences and creative engineering practice, while at the same time increasing the depth and breadth of knowledge in selected areas of emphasis.

The pattern of course work applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here, on the program's website and in the program's graduate handbook. Students are admitted to one of the following specialty areas:

- environmental engineering
- geotechnical engineering
- hydrosystems engineering
- structural engineering
- sustainable engineering
- transportation engineering

Degree Requirements: 30 credit hours and a written comprehensive exam.

All candidates for the master's are required to complete approved graduate course work.

Additional courses may be assigned by the graduate supervisory committee depending on the background of the candidate.

Details of the comprehensive written examinations for the different specialty areas can be obtained at the graduate studies section of the program's website.

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Civil Engineering, BSE
- Civil Engineering (Environmental Engineering), BSE
- Civil Engineering (Sustainable Engineering), BSE

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Applicants must submit an online Graduate Education application.

Applicants are expected to satisfy all requirements for admission to Graduate Education. Entry into this program normally requires a bachelor's degree with a major in engineering or a closely related bachelor's degree program.

The student's credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator.

A minimum GPA requirement is an overall undergraduate GPA of 3.00 on a 4.00 scale. Applicants with a lower GPA may be provisionally admitted at the discretion of the admission committee.

A student whose undergraduate degree is not in civil engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree programs are specified at the time of admission and details can be obtained at the graduate studies section of the program's website.

Applicants must take the GRE and have their scores sent to Graduate Education. Prospective students should note that GRE scores are used in the admission decision. The average scores for those who were admitted to the graduate programs over the last five years are:

- 732 for MS/MSE and 751 for PhD (GRE General Test) or 157 for MS/MSE and 159 for PhD (GRE revised General Test) in the quantitative section
- 1203 for MS/MSE and 1239 for PhD (GRE General Test) or 308 for MS/MSE and 311 for PhD (GRE revised General Test) as combined quantitative and verbal scores

More information regarding how to send official GRE scores to Graduate Education can be found at <https://students.asu.edu/graduate/faqs> (<https://students.asu.edu/graduate/faqs>).

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
<http://ssebe.engineering.asu.edu/prospective-students/gradstudies.html>
ECG 251
sebe.advising@asu.edu
480-965-0595

Civil, Environmental and Sustainable Engineering, PHD (ESCIVILPHD)

Online Degree Search Title: Civil, Environmental and Sustainable Engineering (PhD)

Campus: TEMPE

Program Description:

The faculty in civil, environmental and sustainable engineering offer a graduate program leading to the PhD in civil, environmental and sustainable engineering. A broad range of theoretical and experimental research programs have been established in civil and environmental engineering to prepare graduate students for careers in professional practice and research. These programs are constantly evolving with the changes in society and the profession, and many are multidisciplinary in nature.

The pattern of course work applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here and in the program's graduate handbook. Students are admitted to one of the following specialty areas:

- environmental engineering
- geotechnical engineering
- hydrosystems engineering
- structural engineering
- sustainable engineering
- transportation engineering

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

All candidates for the doctorate are required to complete 84 approved graduate credit hours; of these, 30 credit hours can be from the previously awarded master's. Additional graduate credit work may be assigned by the graduate supervisory committee, depending on the background of the candidate.

The graduate credit hours must include a minimum of 12 credit hours of research and 12 credit hours of dissertation work.

This degree also requires written and oral comprehensive examinations and approval of the dissertation prospectus for the student to be eligible for doctoral candidacy.

After entering candidacy, students complete their research, write and successfully defend their written dissertation.

A final oral examination in the defense of the dissertation work is required for all students.

Admission Requirements:

Applicants must submit an online Graduate Education application.

Applicants are expected to satisfy all requirements for admission to both Graduate Education and the program. Entry into this program requires a master's in engineering or a closely related master's program. Exceptionally qualified students with a bachelor's may be admitted to the doctoral program.

The student's credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator. A minimum requirement is an overall GPA of 3.20 in all postbaccalaureate graduate course work.

A student whose undergraduate or master's is not in civil engineering is required to take appropriate undergraduate or graduate courses as deficiency courses, to establish a base of knowledge in the discipline. Deficiencies for admission to the program are specified at the time of admission, and details can be obtained at the graduate studies section of the program's website.

Applicants must take the GRE and have their official scores sent directly to Graduate Education. Prospective students should note that GRE scores are used in the admission decision. The average scores for those who were admitted to the graduate programs over the last five years are (a) 732 for MS/MSE and 751 for PhD (GRE General Test) or 157 for MS/MSE and 159 for PhD (GRE revised General Test) in the quantitative section, and
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(b) 1203 for MS/MSE and 1239 for PhD (GRE General Test) or 308 for MS/MSE and 311 for PhD (GRE revised General Test) as combined quantitative and verbal scores. More information regarding how to send official GRE scores can be found on the Graduate Education website.

Applicants are required to submit three letters of recommendation.

Applicants are required to submit a resume and personal statement.

Applicants whose native language is not English (regardless of where they may now reside) must demonstrate proficiency in the English language by meeting Graduate Education's English proficiency requirements. Applicants required to demonstrate English proficiency and seeking a teaching assistantship must demonstrate proficiency in spoken English a score of 55 or better on the Speaking Proficiency English Assessment Kit (SPEAK) or a score of 26 or higher on the speaking portion of the Test of English as a Foreign Language (TOEFL) is required.

Contact Information:

Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
<http://ssebe.engineering.asu.edu/prospective-students/civil.html>
ECG 251
sebe.advising@asu.edu
480-965-0595

Computer Engineering (Computer Systems), MS (ESCENCMS)

Online Degree Search Title: Computer Engineering (Computer Systems) (MS)

Campus: TEMPE

Program Description:

Computer engineering is a multidisciplinary program that builds on the fundamentals of computer science, electrical engineering, industrial engineering and applied mathematics. Graduates of this program will have the knowledge and skills necessary to advance the design, system integration, testing, evaluation and deployment of the state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation.

The MS program is intended for students who want to gain knowledge deeper than that provided at the BS level and sufficient for designing and implementing state-of-the-art systems in industrial research and development positions. The program is also appropriate for students contemplating future PhD study and desiring to gain experience in research. Master's graduates may work under the direction of PhD scientists and engineers in high-tech lab settings assisting in developing innovative products and systems that require strong foundational knowledge in the underlying sciences and the ability to synthesize and analyze engineering principles as they relate to the development of new computer engineering technology.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam.

The computer engineering master's degree requires:

Thesis Option:

required core courses (6)

approved electives (18)

CEN 599 Thesis (6)

final thesis defense

Nonthesis Option:

required core courses (6)

approved elective (24)

final written comprehensive exam on the two core and four of the area courses

Admission Requirements:

Applicants must have a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as:

- computer engineering
- computer science
- computer systems engineering
- electrical engineering

Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program.

Applicants must submit:

- an online graduate application
- personal statement (indicating professional goals and reasons for desiring to enroll in the program)
- three letters of recommendations
- official transcripts sent to Graduate Education
- GRE required if undergraduate program is not ABET-accredited (<http://www.abet.org/> (<http://www.abet.org/>))
- proof of English language proficiency*

*The Test of English as a Foreign Language (TOEFL) is required for applicants whose native language is not English, regardless of where they may now reside. See <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>) for more information.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

For full consideration, the application deadline is Feb. 15 for fall semester and Aug. 15 for spring semester.

Depending on prior academic preparation and accomplishments of an applicant, deficiency courses may be specified to ensure adequate background preparation. Matriculated students will take a placement exam prior to start of classes in their first semester on the following five courses:

CSE 230 Computer Architecture and Organization

CSE 310 Algorithm and Data Structure

EEE 203 Signals and Systems

EEE 335 Analog and Digital Circuits

MAT 243 Discrete Math

A reading list of the topics covered in the placement exam will be provided in advance.

Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
<http://cidse.engineering.asu.edu>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Computer Engineering (Computer Systems), PHD (ESCENCPHD)

Online Degree Search Title: Computer Engineering (Computer Systems) (PhD)

Campus: TEMPE

Program Description:

Computer engineering is a multidisciplinary program that builds on the fundamentals of computer science, electrical engineering, industrial engineering and applied mathematics. Graduates of this program will have the knowledge and skills necessary to fundamentally advance and develop new paradigms for the design, system integration, testing, evaluation and deployment of state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation.

The PhD program is intended for students with excellent ability in mathematics and physical science who are interested in gaining an in-depth knowledge of the foundational principles of engineering and pursuing a career in academia, research or highly technical entrepreneurial innovation. The doctoral program provides a broader and more in-depth preparation than the MS and MSE programs, in anticipation of a demonstrated ability to independently pursue more creative and substantive innovation with higher impact.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The computer engineering doctoral degree requires:

at least 12 credit hours of CEN 792 Research

at least 24 credit hours of approved computer engineering area courses, 12 credit hours of which must be courses noted with M* or D* from the six computer engineering areas; no more than 6 credit hours may be noted with M*

at least 18 credit hours of approved graduate courses from science, engineering or mathematics

at most, six credit hours of CEN 790 Reading and Conference

six credit hours of required core courses

12 credit hours of CEN 799 Dissertation

For more information please visit <http://cidse.engineering.asu.edu/forstudent/prospective-students/computer-engineering/> (<http://cidse.engineering.asu.edu/forstudent/prospective-students/computer-engineering/>).

Admission Requirements:

Applicants must have a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as:

- computer engineering
- computer science
- computer systems engineering
- electrical engineering

Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program. A minimum GPA of 3.00 is required in the MS or MSE work for acceptance into the program.

Applicants must submit:

- an online Graduate Education application
- personal statement that explains professional goals and reasons for desiring to enroll in the doctorate program, describes any research experiences and indicates personal research interest
- three letters of recommendations
- official transcripts sent to Graduate Education
- GRE (required if undergraduate program is not ABET-accredited; <http://www.abet.org> (<http://www.abet.org>))

Test of English as a Foreign Language (TOEFL) is required for applicants whose native language is not English:

<https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>) Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

For full consideration, the application deadline is Feb. 15 for the fall semester and Aug. 15 for the spring semester.

Depending on prior academic preparation and accomplishments of an applicant, deficiency courses may be specified to ensure adequate background preparation.

Students must fulfill both the requirements of Graduate Education and the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
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<http://cidse.engineering.asu.edu/>
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cidse@asu.edu
480-965-3199

Computer Engineering (Electrical Engineering), MS (ESCENEMS)

Online Degree Search Title: Computer Engineering (Electrical Engineering) (MS)

Campus: TEMPE

Program Description:

Computer engineering is a multidisciplinary program that builds on the fundamentals of computer science, electrical engineering, industrial engineering and applied mathematics. Graduates of this program will have the knowledge and skills necessary to advance the design, system integration, testing, evaluation and deployment of the state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation.

The MS program is intended for students who want to gain knowledge deeper than that provided at the BS level and sufficient for designing and implementing state-of-the-art systems in industrial research and development positions. The program is also appropriate for students contemplating future doctoral study and desiring to gain experience in research. Master's graduates may work under the direction of scientists and engineers in high-tech lab settings, assisting in developing innovative products and systems that require strong foundational knowledge in the underlying sciences and the ability to synthesize and analyze engineering principles as they relate to the development of new computer engineering technology.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam.

The computer engineering master's degree requires:

Thesis Option: required core courses (6)

approved electives (18)

CEN 599 Thesis (6) Nonthesis Option: required core courses (6)
approved elective (24)

Admission Requirements:

Applicants must submit an online Graduate Education application.

Minimum of a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as:

- computer engineering
- computer science
- computer systems engineering
- electrical engineering

Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program.

GRE required if undergraduate program is not ABET accredited.

Test of English as a Foreign Language (TOEFL) required for applicants whose native language is not English:

<https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of

Electrical Engineering Program

<http://ecee.engineering.asu.edu/>

GWC 209

askee@asu.edu

480-965-3424

Computer Engineering (Electrical Engineering), PHD (ESCENEPHD)

Online Degree Search Title: Computer Engineering (Electrical Engineering) (PhD)

Campus: TEMPE

Program Description:

Computer engineering is a multidisciplinary program that builds on the fundamentals of computer science, electrical engineering, industrial engineering and applied mathematics. Graduates of this program will have the knowledge and skills necessary to fundamentally advance and develop new paradigms for the design, system integration, testing, evaluation and deployment of state-of-the-art hardware and software for systems that include computing, communications and networking (wired and wireless), control functions, sensing, signal processing and actuation.

The PhD program is intended for students with excellent ability in mathematics and physical science that are interested in gaining an in-depth knowledge of the foundational principles of engineering and pursuing a career in academia, research or highly technical entrepreneurial innovation. The doctoral program provides a broader and more in-depth preparation than the MS and MSE programs in anticipation of a demonstrated ability to independently pursue more creative and substantive innovation with higher impact.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The computer engineering PhD degree requires:

at least 12 credit hours of CEN 792 Research

at least 18 credit hours of approved graduate courses from science, engineering or mathematics

at least 24 credit hours of approved computer engineering courses

at most, six credit hours of CEN 790 Reading and Conference

six credit hours of required core courses

12 credit hours of CEN 799 Dissertation

Admission Requirements:

Applicants must submit an online Graduate Education application.

Minimum of a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a
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related field such as:

- computer engineering
- computer science
- computer systems engineering
- electrical engineering

Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program. A minimum GPA of 3.50 is required in the MS or MSE course work for acceptance into the doctoral program.

GRE required if undergraduate program is not ABET accredited.

Test of English as a Foreign Language (TOEFL) required for applicants whose native language is not English:
<https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
<http://ecee.engineering.asu.edu/>
GWC 209
askee@asu.edu
480-965-3424

Computer Science, MCS (ESCOMSCMCS)

Online Degree Search Title: Computer Science (MCS)

Campus: TEMPE

Program Description:

The MCS is an advanced degree program targeted at students with an undergraduate education in computing and related disciplines who can best profit from further breadth and background in computer science. The MCS also affords an opportunity for students employed in industry to seek a breadth of advanced education in computer science.

The program reflects the dual nature of computer science as both a scientific and engineering discipline by allowing emphasis on theory as well as practical applications. Students seeking the master's submit a project portfolio compiling projects completed in three courses during their studies. Students can study topics such as:

- artificial intelligence
- computer-aided geometric design
- computer architecture
- computer graphics
- computer science theory
- database concepts
- digital systems design
- distributed systems
- language processing
- networking
- operating systems
- software engineering

Degree Requirements: 30 credit hours and a portfolio.

Each student defines a potentially unique program of study subject to approval by the graduate programs office and Graduate Education. The student must complete a minimum of 30 credit hours of approved graduate-level work. At least 24 of the 30 credit hours must be computer science and engineering (CSE) 500-level credits at ASU. At least 30 hours must be for formal course work (including CSE 591 but excluding credits for CSE 590 Reading and Conference).

MCS students must complete a project portfolio from three courses in which the student received a "B"(3.00) grade or higher. See the Graduate Student Handbook for complete details: http://cidse.engineering.asu.edu/wp-content/uploads/2012/05/CIDSE_CS_MCS_graduate_handbook.pdf
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(http://cidse.engineering.asu.edu/wp-content/uploads/2012/05/CIDSE_CS_MCS_graduate_handbook.pdf).

Students will also complete one course in three areas to cover a wide range of knowledge. The three areas are:

- applications: courses are in the areas of artificial intelligence, databases, graphics and multimedia
- foundations: courses focus on algorithms, mathematical logic, programming languages and theory
- systems: courses cover topics in architecture, networks, operating systems and software engineering

Admission Requirements:

Students interested in applying to the program must submit an online application to Graduate Education.

An applicant for the MCS program should have a bachelor's degree in computer science, computer engineering or a closely related area.

Applicants must submit:

- online Graduate Education application
- a statement of purpose
- official transcripts from every university attended
- scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU
- three letters of recommendation
- proof of English language proficiency*

*An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

If the student is assigned any deficiency course work upon admission, those classes must be completed with a grade of "B" (3.00) or higher within two semesters of admission to the program. Deficiency courses are:

CSE 230 Computer Organization and Assembly Language Programming (3)

CSE 310 Data Structures and Algorithms (3)

CSE 340 Principles of Programming Languages (3)

CSE 355 Introduction to Theoretical Computer Science (3)

CSE 360 Introduction to Software Engineering (3)

CSE 430 Operating Systems (3)

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission. The application deadline for admission and financial aid is Dec. 1 for the fall semester and Aug. 1 for the spring semester.

Contact Information:

Engineering, Ira A. Fulton Schools of
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<http://cidse.engineering.asu.edu>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Computer Science, MS (ESCOMSCMS)

Online Degree Search Title: Computer Science (MS)

Campus: TEMPE

Program Description:

The MS in computer science is a research-oriented degree targeted toward students with an undergraduate education in the science of computation. It provides instruction in advanced course work and emphasizes research by the student.

Students can conduct cutting-edge research in a wide variety of research areas including:

- algorithms
- artificial intelligence
- bioinformatics
- computer-aided geometric design
- computer graphics
- computer networks

- database systems
- distributed computing and operating systems
- embedded systems
- information assurance
- intelligent information integration
- multimedia information systems
- software engineering

Degree Requirements: 30 credit hours and a thesis.

Complete 30 credit hours of course work, including six credit hours of thesis to graduate with the master of science degree. Students must successfully pass a thesis defense to graduate.

Complete one course in three areas to cover a wide range of knowledge. The three areas are:

- applications: courses are in the areas of artificial intelligence, databases, graphics and multimedia
- foundations: courses focus on algorithms, mathematical logic and computer science theory
- systems: courses cover topics in architecture, networks, operating systems and software engineering

The remainder of the student's course work focuses on the research area of interest, conducted with the guidance of a faculty advisor. Students must complete nine credit hours of course work in their research area.

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Computer Science, BS
- Computer Science (Information Assurance), BS
- Computer Science (Software Engineering), BS
- Computer Systems Engineering, BSE
- Computer Systems Engineering (Information Assurance), BSE

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Students interested in applying to the master of science program must submit an online application to Graduate Education.

An applicant for the master of science program should have a bachelor's degree in computer science, computer engineering or a closely related area.

Applicants must submit:

- online Graduate Education application
- scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU
- three letters of recommendation
- a statement of purpose
- official transcripts from every university attended
- proof of English language proficiency*

*An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

If the student is assigned any deficiency course work upon admission, those classes must be completed with a grade of "B" (3.00) or higher within two semesters of admission to the program. Deficiency courses are:

- CSE 230 Computer Organization and Assembly Language Programming (3)
- CSE 310 Data Structures and Algorithms (3)
- CSE 340 Principles of Programming Languages (3)
- CSE 355 Introduction to Theoretical Computer Science (3)
- CSE 360 Introduction to Software Engineering (3)
- CSE 430 Operating Systems (3)

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission. The application deadline for admission and financial aid is Dec. 1 for the fall semester and Aug. 1 for the spring semester.

Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
<http://cidse/engineering.asu.edu>
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cidse.advising@asu.edu
480-965-3199

Computer Science, PHD (ESCOMSCPHD)

Online Degree Search Title: Computer Science (PhD)

Campus: TEMPE

Program Description:

The PhD in computer science program prepares students to undertake fundamental and applied research in computer science to prepare students for careers in academia, government and industry. Students can conduct cutting-edge research in a wide variety of research areas, including:

- algorithms
- artificial intelligence
- bioinformatics
- computer-aided geometric design and computer graphics
- computer networks
- database systems
- distributed computing and operating systems
- embedded systems
- information assurance
- intelligent information integration
- multimedia information systems
- software engineering

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The PhD includes 12 to 18 credit hours of CSE 792 Research and 12 credit hours of CSE 799 Dissertation. Students will complete one course in three areas to cover a wide range of knowledge. The three areas are:

- Applications: The courses are in the areas of artificial intelligence, databases, graphics and multimedia.
- Foundations: The courses focus on algorithms, mathematical logic, programming languages and theory.
- Systems: The courses cover topics in architecture, networks, operating systems and software engineering.

Area courses cannot include CSE 598 courses.

Admission Requirements:

Students interested in applying to this program must submit an online application to Graduate Education. An applicant for the PhD program should have the equivalent of a bachelor's degree in computer science, computer engineering or a closely related area. Most applicants should have earned the master's degree, but exceptional undergraduate applicants may be admitted directly to the doctoral program.

Every applicant must submit:

- online Graduate Education application
- scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU
- three letters of recommendation
- a statement of purpose
- official transcripts from every university attended
- curriculum vitae or resume

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

If the student is assigned any deficiency course work upon admission, those classes must be completed with a grade of "B" (3.00) or higher within two semesters of admission to the program. Deficiency courses are:

CSE 230 Computer Organization and Assembly Language Programming (3)
CSE 310 Data Structures and Algorithms (3)
CSE 340 Principles of Programming Languages (3)

CSE 355 Introduction to Theoretical Computer Science (3)

CSE 360 Introduction to Software Engineering (3)

CSE 430 Operating Systems (3)

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

The application deadline for admission and financial aid is Dec. 1 for the fall semester and Aug. 1 for the spring semester.

Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
<http://cidse.engineering.asu.edu/>
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cidse.advising@asu.edu
480-965-3199

Computer Science (Arts, Media and Engineering), MS (ESAMECSMS)

Online Degree Search Title: Computer Science (Art, Media and Eng) (MS)

Campus: TEMPE

Program Description:

The MS in computer science program with a concentration in arts, media and engineering emphasizes research on the integration of the human physical experience with computation and digital media. Arts, media and engineering researchers produce experiential media systems and models that:

- assist the disadvantaged
- empower creativity
- enhance scientific discovery
- evolve human ability
- facilitate learning
- improve quality of life

Within these application areas, researchers explore experiential construction, interaction and feedback, knowledge creation, sensing, perception and modeling.

The purpose of the arts, media and engineering concentration under the MS in computer science is to train hybrid engineering-arts graduates who get their inspiration from the arts and their methodology from computer science and engineering. Students will specialize in transdisciplinary media development. More information about the arts, media and engineering concentration can be found at <http://ame.asu.edu/> (<http://ame.asu.edu/>).

Degree Requirements: 30 credit hours and a thesis.

Students complete 30 credit hours of course work, including nine credit hours of arts, media and engineering-approved course work and six credit hours of thesis, to graduate with the degree. Students must successfully pass a thesis defense to graduate. Students will complete nine credit hours of arts, media and engineering courses selected in consultation with the student's graduate advisor.

Students will also complete one course from each of the following three areas:

- applications: artificial intelligence, databases, graphics and multimedia
- foundations: algorithms, mathematical logic, programming languages and theory
- systems: architecture, networks, operating systems and software engineering

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Computer Science, BS
Computer Science (Information Assurance), BS
Computer Science (Software Engineering), BS
Computer Systems Engineering, BSE
Computer Systems Engineering (Information Assurance), BSE

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Students interested in applying to this program must submit an online application to Graduate Education. An applicant for the master's program

should have a bachelor's degree in computer science, computer engineering or a closely related area.

Applicants must submit:

- online Graduate Education application
- official transcripts from every university attended
- scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU
- a statement of purpose and a curriculum vitae
- three letters of recommendation
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.
<https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

The statement of purpose must address the transdisciplinary nature of the arts, media and engineering program. Applicants should explain in a concise and persuasive manner how their educational, professional and personal experiences inform their research and creative interests, writing on any aspect of their background that supports candidacy to the program. For further information on how this statement can be expanded upon by students interested in a research assistantships or an integrative graduate education and research traineeship within arts, media and engineering, please visit <http://ame.asu.edu/education/prospective/funding.php> (<http://ame.asu.edu/education/prospective/funding.php>). Please submit a curriculum vitae with your statement of purpose.

If the student is assigned any deficiency course work upon admission, those classes must be completed with a grade of "B" (3.00) or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming (3)
CSE 310 Data Structures and Algorithms (3)
CSE 340 Principles of Programming Languages (3)
CSE 355 Introduction to Theoretical Computer Science (3)
CSE 360 Introduction to Software Engineering (3)
CSE 430 Operating Systems (3)

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

The application deadline for admission and financial aid is Dec. 1 for the fall semester and Aug. 1 for the spring semester.

Contact Information:

Engineering, Ira A. Fulton Schools of
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<http://cidse.engineering.asu.edu>
BYENG 208
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480-965-3199

Computer Science (Arts, Media and Engineering), PHD (ESAMECSPHD)

Online Degree Search Title: Computer Science (Art, Media and Eng) (PhD)

Campus: TEMPE

Program Description:

The PhD in computer science program with a concentration in arts, media and engineering emphasizes research on the integration of the human physical experience with computation and digital media. Arts, media and engineering researchers produce experiential media systems and models that:

- assist the disadvantaged
- empower creativity
- enhance scientific discovery
- evolve human ability
- facilitate learning
- improve quality of life

Within these application areas, researchers explore experiential construction, interaction and feedback, knowledge creation, sensing, perception and modeling.

The purpose of the arts, media and engineering concentration is to train hybrid engineering-arts graduates who get their inspiration from the arts and their methodology from computer science and engineering. Students will specialize in transdisciplinary media development. More information about arts, media and engineering can be found at <http://ame.asu.edu/> (<http://ame.asu.edu/>).

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students in the doctoral program in computer science with an arts, media and engineering concentration must complete a minimum of 84 credit hours of approved graduate-level work, of which 36 credit hours focus on arts, media, and engineering, chosen in consultation with the student's arts, media and engineering graduate advisor. Students must complete 12 to 18 credit hours of CSE 792 Research and 12 credit hours of CSE 799 Dissertation.

Students will also complete one course from each of the following three areas:

- applications: artificial intelligence, databases, graphics and multimedia
- foundations: algorithms, mathematical logic, programming languages and theory
- systems: architecture, networks, operating systems and software engineering

Admission Requirements:

Students interested in applying to this program must submit an online application to Graduate Education.

Applicants should have a bachelor's in computer science, computer engineering or a closely related area. Most applicants should have earned a master's, but exceptional undergraduate applicants may be admitted directly into the doctoral program.

Applicants must submit:

- online Graduate Education application
- scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU
- three letters of recommendation
- a statement of purpose
- official transcripts from every university attended
- curriculum vitae or resume
- proof of English language proficiency*

*Students whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency: <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

The statement of purpose must fulfill any requirements defined by the graduate programs office and also address the transdisciplinary nature of the arts, media and engineering program. Applicants should explain in a concise and persuasive manner how their educational, professional and personal experiences inform their research and creative interests, writing on any aspect of their background that supports candidacy to the program. For further information on how this statement can be expanded upon by students interested in a research assistantships or an Integrative Graduate Education and Research Traineeship within arts, media and engineering, please visit <http://ame.asu.edu/education/prospective/funding.php> (<http://ame.asu.edu/education/prospective/funding.php>). Please submit a current curriculum vitae with your statement of purpose.

If the student is assigned any deficiency course work upon admission, those classes must be completed with a grade of "B" (3.00) or higher within two semesters of admission to the program. Deficiency courses are:

CSE 230 Computer Organization and Assembly Language Programming (3)
CSE 310 Data Structures and Algorithms (3)
CSE 340 Principles of Programming Languages (3)
CSE 355 Introduction to Theoretical Computer Science (3)
CSE 360 Introduction to Software Engineering (3)
CSE 430 Operating Systems (3)

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

The application deadline for admission and financial aid is Dec. 1 for the fall semester and Aug. 1 for the spring semester.

Contact Information:

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480-965-3199

Computer Science (Big Data Systems), MCS (ESCSEBDMCS)

Online Degree Search Title: Computer Science (Big Data Systems)

Campus: TEMPE

Program Description:

The big data systems concentration under the MCS in computer science degree program is designed for graduate students who want to pursue a thorough education in the area of big data systems.

The goal of this concentration is to provide students the knowledge, skills and advanced development capability expertise in designing scalable (parallel, distributed and real time) systems for acquiring, storing, processing, and accessing large-scale heterogeneous multisource data and in using analytical tools to mine information from the data.

Graduates will be able to choose and deploy the appropriate data management processing and analysis systems with a suitable structured or unstructured data model that a particular task and domain application needs. This concentration will provide a competitive advantage to secure employment as there is a growing need for data scientists and engineers that can architect, implement and manage large data systems.

Degree Requirements: 30 credit hours and a portfolio.

Required Core Courses: 9 credit hours

Foundations (3)

Systems (3)

Applications (3)

Required Concentration Courses: 9 credit hours

CSE 510 Database Management System Implementation (3)

CSE 512 Distributed Database Systems (3)

CSE 572 Data Mining (3) or IEE 520 Statistical Learning for Data Mining (3)

Electives: 6 credit hours

CSE 515 Multimedia and Web Databases (3)

CSE 575 Statistical Machine Learning (3)

CSE 591 Topic: Data Visualization (DV) (3)

CSE 591 Topic: Semantic Web Mining (SWM) (3)

CSE 591 Topic: Virtualization and Cloud Computing (VCC) (3)

Note: Additional elective course work may be required. If the student takes CSE 510, CSE 512, CSE 572, or CSE 515 as part of the nine credit core courses for the MCS degree, then the student has to take three additional credits to ensure that the total credit hours are equal to 30.

Culminating Experience: 0 credit hours

Portfolio

Other Elective or Research Courses: 6 credit hours

Students choose six credit hours of other elective or research course work approved by their academic advisor.

Total required credit hours: 30

Admission Requirements:

In addition to completing the ASU graduate admission application, the following materials must also be submitted to complete the application package:

U.S. Residents:

- one set of official transcripts from every college and university attended, including ASU, unless the student graduated from ASU
- official GRE test scores
- three letters of recommendation
- statement of purpose

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

International Applicants:

- academic credentials*
- official GRE General test scores taken within the last five years
- official TOEFL score, taken within the last two years (only required for those who did not graduate with a baccalaureate degree from an accredited U.S. institution)**
- three letters of recommendation
- statement of purpose

*All international records must be submitted in the original language accompanied by an official English translation. If the student has attended a U.S. institution, one set of official transcripts from every college and university attended, except ASU, is required.

**The TOEFL score must be valid on the first day of class for the term the student is applying for. CIDSE requires that TOEFL scores must be above 575 (paper), or 90 (IBT), or minimum IELTS is an overall band scores of 7.0.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

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480-965-3199

Computer Science (Big Data Systems), MS (ESCSEBDMS)

Online Degree Search Title: Computer Science (Big Data Systems)

Campus: TEMPE

Program Description:

The big data systems concentration under the MS in computer science degree program is designed for graduate students who want to pursue a thorough education and research in the area of big data systems.

The goal of this concentration is to provide students the knowledge, skills and advanced research expertise in designing scalable (parallel, distributed and real-time) systems for acquiring, storing, processing, and accessing large-scale heterogeneous multisource data and in using analytical tools to mine information from the data.

Graduates will be able to choose and deploy the appropriate data management processing and analysis systems with a suitable structured or unstructured data model that a particular task and domain application needs. This concentration will provide a competitive advantage to secure employment as there is a growing need for data scientists and engineers that can architect, implement and manage large data systems.

Degree Requirements: 30 credit hours and a thesis.

Required Core Courses: 9 credit hours

Foundations (3)

Systems (3)

Applications (3)

Required Concentration Courses: 9 credit hours

CSE 510 Database Management System Implementation (3)

CSE 512 Distributed Database Systems (3)

CSE 572 Data Mining (3) or IEE 520 Statistical Learning for Data Mining (3)

Electives: 6 credit hours

CSE 515 Multimedia and Web Databases (3)

CSE 575 Statistical Machine Learning (3)

CSE 591 Topic: Data Visualization (DV) (3)

CSE 591 Topic: Semantic Web Mining (SWM) (3)

CSE 591 Topic: Virtualization and Cloud Computing (VCC) (3)

Note: Additional elective course work may be required. If the student takes CSE 510, CSE 512, CSE 572, or CSE 515 as part of the nine credit core courses for the MS degree, then the student has to take three additional credits to ensure that the total credit hours are equal to 30.

Culminating Experience: 6 credit hours

CSE 599 Thesis (6)

Total required credit hours: 30

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Computer Science, BS

Computer Science (Information Assurance), BS

Computer Science (Software Engineering), BS

Computer Systems Engineering, BSE

Computer Systems Engineering (Information Assurance), BSE

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

In addition to completing the ASU graduate admission application, the following materials must also be submitted to complete the application package:

U.S. Residents:

- one set of official transcripts from every college and university attended, including ASU, unless the student graduated from ASU
- official GRE test scores
- three letters of recommendation
- statement of purpose

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

International Applicants:

- academic credentials*
- official GRE General test scores taken within the last five years
- official TOEFL score, taken within the last two years (only required for those who did not graduate with a baccalaureate degree from an accredited U.S. institution)**
- three letters of recommendation
- statement of purpose

*All international records must be submitted in the original language accompanied by an official English translation. If the student has attended a U.S. institution, one set of official transcripts from every college and university attended, except ASU, is required.

**The TOEFL score must be valid on the first day of class for the term the student is applying for. CIDSE requires that TOEFL scores must be above 575 (paper), or 90 (iBT), or minimum IELTS is an overall band scores of 7.0.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
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cidse.advising@asu.edu
480-965-3199

Computer Science (Information Assurance), MCS (ESCSEIMCS)

Online Degree Search Title: Computer Science (Information Assurance) (MCS)

Campus: TEMPE

Program Description:

The MCS in computer science with a concentration in information assurance is designed for graduate students who want to pursue a thorough education in the area of information assurance. The goal of this concentration is to provide students the knowledge, skills and the advanced development capability in science and engineering for information assurance, including computer and network security, software security, data and information security, applied cryptography and computer forensics.

The concentration in information assurance is an advanced degree targeted at students with an undergraduate education in computing and related disciplines, and students employed in industry who can best profit from further breadth and background in computer science and information assurance. Students will have a competitive advantage to secure employment. According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity,

authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

Degree Requirements: 30 credit hours and a portfolio.

The student must complete 30 credit hours of approved graduate-level work, including 15 credit hours of information assurance course work. At least 24 of the 30 credit hours must be computer science and engineering (CSE) 500-level credits at ASU. At least 30 hours must be formal course work (including CSE 591 but excluding credits for CSE 590 Reading and Conference). Students must complete 15 hours of approved information assurance course work. See <http://cidse.engineering.asu.edu/forstudent/graduate/computer-science/> (<http://cidse.engineering.asu.edu/forstudent/graduate/computer-science/>) for more information.

Students will also complete one course in one of the following three areas to cover a wide range of knowledge:

- applications: courses are in the areas of artificial intelligence, databases, graphics and multimedia
- foundations: courses focus on algorithms, mathematical logic, programming languages and theory
- systems courses cover topics in architecture, networks, operating systems and software engineering

MCS students must complete a project portfolio from three courses in which the student received a "B" (3.00) grade or higher. See the Graduate Student Handbook for complete details: http://cidse.engineering.asu.edu/wp-content/uploads/2012/05/CIDSE_CS_MCS_graduate_handbook.pdf (http://cidse.engineering.asu.edu/wp-content/uploads/2012/05/CIDSE_CS_MCS_graduate_handbook.pdf).

Admission Requirements:

Students interested in applying to the MCS program must submit an online application to Graduate Education. An applicant for the MCS program should have a bachelor's in computer science, computer engineering or a closely related area.

Applicants must submit:

- online Graduate Education application
- official transcripts from every university attended
- scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU
- a statement of purpose
- three letters of recommendation
- proof of English language proficiency*

*An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

If the student is assigned any deficiency course work upon admission, those classes must be completed with a grade of "B" or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming (3)
CSE 310 Data Structures and Algorithms (3)
CSE 340 Principles of Programming Languages (3)
CSE 355 Introduction to Theoretical Computer Science (3)
CSE 360 Introduction to Software Engineering (3)
CSE 430 Operating Systems (3)

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

The application deadline for admission and financial aid is Dec. 1 for the fall semester and Aug. 1 for the spring semester.

Contact Information:

Engineering, Ira A. Fulton Schools of
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<http://cidse.engineering.asu.edu/>
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cidse.advising@asu.edu
480-965-3199

Online Degree Search Title: Computer Science (Information Assurance) (MS)

Campus: TEMPE

Program Description:

The MS in the computer science program with a concentration in information assurance is designed for graduate students who want to pursue a thorough education in the area of information assurance. The goal of this concentration is to provide students the knowledge, skills, and the advanced development capability in science and engineering for information assurance, including computer and network security, software security, data and information security, applied cryptography and computer forensics. Students will have a competitive advantage to secure employment.

According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

Degree Requirements: 30 credit hours and a thesis.

Students complete 30 credit hours of course work, including 15 credit hours of course work in information assurance and six credit hours of thesis work to graduate with the degree. Students must successfully pass a thesis defense to graduate.

Students must complete 15 hours of approved information assurance course work. See

<http://cidse.engineering.asu.edu/forstudent/graduate/computer-science/> (<http://cidse.engineering.asu.edu/forstudent/graduate/computer-science/>) for more information.

Students will also complete one course in one of the following three areas, to cover a wide range of knowledge:

- applications: courses are in the areas of artificial intelligence, databases, graphics and multimedia
- foundations: courses focus on algorithms, mathematical logic, programming languages and theory
- systems: courses cover topics in architecture, networks, operating systems and software engineering

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Computer Science, BS
- Computer Science (Information Assurance), BS
- Computer Science (Software Engineering), BS
- Computer Systems Engineering, BSE
- Computer Systems Engineering (Information Assurance), BSE

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Students interested in applying to the MS program must submit an online application to Graduate Education. An applicant for the MS program should have a bachelor's degree in computer science, computer engineering or a closely related area.

Applicants must submit:

- online Graduate Education application
- official transcripts from every university attended
- scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU
- a statement of purpose
- three letters of recommendation
- proof of English language proficiency*

*An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

<https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

If the student is assigned any deficiency course work upon admission, those classes must be completed with a grade of "B" or higher within two semesters of admission to the program. Deficiency courses include:

- CSE 230 Computer Organization and Assembly Language Programming (3)
- CSE 310 Data Structures and Algorithms (3)
- CSE 340 Principles of Programming Languages (3)
- CSE 355 Introduction to Theoretical Computer Science (3)
- CSE 360 Introduction to Software Engineering (3)

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

The application deadline for admission and financial aid is Dec. 1 for the fall semester and Aug. 1 for the spring semester.

Contact Information:

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480-965-3199

Computer Science (Information Assurance), PHD (ESCSEIAPHD)

Online Degree Search Title: Computer Science (Information Assurance) (PHD)

Campus: TEMPE

Program Description:

The PhD in computer science program with a concentration in information assurance is designed for graduate students who want to pursue a thorough education in the area of information assurance. The goal of this concentration is to provide students the knowledge, skills and the advanced development capability in science and engineering for information assurance, including:

- applied cryptography
- computer forensics
- computer and network security
- data and information security
- software security

Students will have a competitive advantage to secure employment. According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The doctoral program must contain a minimum of 84 credit hours of approved graduate-level work which includes 18 credit hours of information assurance courses. Students must also complete 12 to 18 credit hours of CSE 792 Research and 12 credit hours of CSE 799 Dissertation. See <http://cidse.engineering.asu.edu/forstudent/graduate/computer-science/> (<http://cidse.engineering.asu.edu/forstudent/graduate/computer-science/>) for more information on information assurance course options.

Students will also complete one course from each of the following three areas:

- applications: artificial intelligence, databases, graphics and multimedia
- foundations: algorithms, mathematical logic, programming languages and theory
- systems: architecture, networks, operating systems and software engineering

Area courses cannot include CSE 598 courses.

Admission Requirements:

Students interested in applying to this program must submit an online application to Graduate Education. An applicant for the doctoral program should have the equivalent of a bachelor's in computer science, computer engineering or a closely related area. Most applicants should have earned the master's, but exceptional undergraduate applicants may be admitted directly into the doctoral program.

Every applicant must submit:

- online Graduate Education application
- scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering at ASU
- three letters of recommendation
- a statement of purpose
- official transcripts from every university attended
- curriculum vitae or resume

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.
<https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

If the student is assigned any deficiency course work upon admission, those classes must be completed with a grade of "B" or higher within two semesters of admission to the program. Deficiency courses include:

CSE 230 Computer Organization and Assembly Language Programming (3)

CSE 310 Data Structures and Algorithms (3)

CSE 340 Principles of Programming Languages (3)

CSE 355 Introduction to Theoretical Computer Science (3)

CSE 360 Introduction to Software Engineering (3)

CSE 430 Operating Systems (3)

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

The application deadline for admission and financial aid is Dec. 1 for the fall semester and Aug. 1 for the spring semester.

Contact Information:

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480-965-3199

Computer Sciences (Biomedical Informatics), MS (ESCSBIOIMS)

Online Degree Search Title: Computer Science (Biomedical Informatics)(MS)

Campus: TEMPE

Program Description:

The MS in computer science with a concentration in biomedical informatics is designed for graduate students who wish to specialize in such topics as genomics and computational systems biology. The concentration is interdisciplinary in nature, providing preparation that integrates technological expertise in the information sciences, computer science, bioscience and statistics with an understanding of the clinical environment of the health care professional. It will expose computer science students to current issues in clinical practice as well as the use of information systems in health care settings.

Degree Requirements: 30 credit hours and a thesis.

Students complete 30 credit hours of course work, including nine credit hours of course work in biomedical informatics and six credit hours of thesis work to graduate with the degree. Students must successfully pass a thesis defense to graduate. Students will complete the following nine credit hours in biomedical informatics:

BMI 501 Introduction to Biomedical Informatics (3)

BMI 540 Problem Solving in Biomedical Informatics (3)

BMI 5XX Approved Elective in Biomedical Informatics (3)

Students will also complete one course from each of the following three areas:

- applications: artificial intelligence, databases, graphics and multimedia
- foundations: algorithms, mathematical logic, programming languages and theory
- systems: architecture, networks, operating systems and software engineering

The remainder of the course work will be in computer science, and students will focus their research in one of the following areas:

- bioinformatics
- biomedical informatics
- clinical informatics
- imaging informatics
- public health informatics

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Computer Science, BS

Computer Science (Information Assurance), BS
Computer Science (Software Engineering), BS
Computer Systems Engineering, BSE
Computer Systems Engineering (Information Assurance), BSE

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Students interested in applying to this program must submit an online application to Graduate Education. An applicant to the master's program should have a bachelor's in computer science, computer engineering or a closely related area. Every applicant must submit:

- online Graduate Education application
- Test of English as a Foreign Language (TOEFL) scores (applies to applicants whose native language is not English)
- official transcripts from every university attended
- scores for the GRE, unless the student has graduated with an undergraduate degree in computer science or computer systems engineering from ASU
- a statement of purpose
- three letters of recommendation
- verbal, quantitative and analytical GRE scores (optional: subject test in computer science)

If the student is assigned any deficiency course work upon admission, those classes must be completed with a grade of "B" (3.00) or higher within two semesters of admission to the program. Deficiency courses are:

CSE 230 Computer Organization and Assembly Language Programming (3)

CSE 310 Data Structures and Algorithms (3)

CSE 340 Principles of Programming Languages (3)

CSE 355 Introduction to Theoretical Computer Science (3)

CSE 360 Introduction to Software Engineering (3)

CSE 430 Operating Systems (3)

The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission.

The application deadline for admission and financial aid is Dec. 1 for the fall semester and Aug. 1 for the spring semester.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

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480-965-3199

Computing Studies, MCSt (TSCOMPMCST)

Online Degree Search Title: Computing Studies - Polytechnic Campus (MCST)

Campus: POLY

Program Description:

The computing faculty of Engineering Programs offers the MCSt graduate program. The computing studies program is designed for students with the equivalent of a bachelor's in computing and requires 33 credit hours of graduate instruction, including a two-semester culminating experience. The program prepares students with the technical and professional knowledge necessary for career advancement and positions of leadership in computing.

As a discipline, computing is evolving rapidly; the body of knowledge in computer science and software engineering is constantly changing, and the impact computing has on society is growing at an astonishing pace. The program uses project-based, laboratory-rich curriculum to prepare graduates for careers that contribute to computing's disciplinary context.

Master's of computing studies students learn essential skills and obtain experience necessary for success after graduation, including:

- a strong technical foundation
- familiarity with the tools, languages and methods of the profession
- understanding of the concepts and practices underlying software design and construction
- practiced communication and teaming skills
- significant background in at least one computing application area
- practiced communication and teaming skills

Graduates of the program may pursue advanced research degrees in computing, employment or leadership in computing, or pursue careers in computing application areas. The computing faculty are especially strong in enterprise systems, software engineering, visual analytics, computer gaming, embedded systems and mobile computing. In addition to academic credentials, departmental faculty have extensive industry experience.

Degree Requirements: 33 credit hours and a thesis, or 33 credit hours including the required applied project course (CST 593), or 33 credit hours including the required capstone course (CST 517 or CST 518).

The plan of study must contain approved graduate-level course work. The program offers a set of courses that comprise the foundations of advanced study in computing: software development, communications and teaming, computing research methods, data structures, algorithms and computing language concepts. A student's program of study must include the following core courses that provide the graduate computing foundation:

CST 500 Research Methods (3)

CST 501 Advanced Data Structures and Algorithm Analysis (3)

CST 502 Emerging Language and Programming Paradigms (3)

CST 515 Software Enterprise: Inception and Elaboration (3)

CST 516 Software Enterprise: Project and Process Management (3)

CST 500, CST 501 and CST 515 should be taken in the first semester or as early in the student's program as possible.

Students are encouraged to identify four graduate CST computing courses (12 credit hours) of specialization course work that contributes to their individual educational objectives. Of the four, two courses (6 credit hours) may be entry-level graduate courses. Entry-level courses are typically offered as CST 598. Program faculty offer graduate-level courses (5xx-level, formal courses excluding 598) that provide specialized treatment in areas representing faculty research interests.

Students also select one of three culminating experiences (6 credit hours): thesis, applied project or software capstone.

Thesis

Students who select the thesis option develop a project and thesis paper that reflects innovation in a specialization area. The thesis is developed over two successive semesters by registering for three credits of CST 599 Thesis each semester. Before registering for CST 599, the student identifies a faculty committee consisting of a chair in the specialization area and two other members. The committee directs the development of the thesis and gauges its merit at completion.

Applied Project

Students who select the applied project option develop a project and paper that reflects advanced application knowledge in a specialization area. The project is developed over two successive semesters by registering for three credits of CST 593 Project in the first semester and registering for another three credits of CST 593 Project in the second semester. Before registering for the project in the first semester, the student identifies a faculty committee consisting of a chair in the specialization area and two other members. The committee directs the development of the applied project and gauges its merit at completion.

Software Factory (Capstone)

Students who select software capstone formulate an advanced analysis of the software enterprise and participate in a team-based, two-semester software factory experience. Students develop a portfolio demonstrating achievement of learning outcomes. A committee of three faculty provide mentorship and assess student achievement of outcomes. Students take the software capstone in two successive semesters by registering for CST 517 in one semester and registering for CST 518 in the following semester.

Admission Requirements:

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered until complete.

- an online Graduate Education application
- official transcript from each college or university attended
- an English proficiency exam for applicants whose native language is not English
- official GRE general exam scores
- optional) statement of purpose
- optional) two letters of recommendation

International applicants can find complete information on the English proficiency exams and other required documents on the Graduate Education website: <http://graduate.asu.edu/international> (<http://graduate.asu.edu/international>).

For best consideration, the deadline is Feb. 1 for fall applications' and Oct. 1 for spring applications. Late applications may still be considered for the same application term or for the next term of admission however, the department reserves the right to deny or not review a late application.

Admission to the graduate degree program presupposes an adequate technical preparation in a selected technology at the undergraduate level. It is recommended that applicants have completed a bachelor's in computing. Excellent applicants with a partial computing background may be admitted with undergraduate computing deficiencies.

Undergraduate deficiency courses must be completed within the first year of the graduate program while concurrently enrolled in graduate-level course work.

Students must fulfill the requirements of both Graduate Education and the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Software Engineering
<https://innovation.asu.edu>
TECH 101
technology@asu.edu
480-727-1874

Construction Engineering, MSE (ESCONEMSE)

Online Degree Search Title: Construction Engineering (MSE)

Campus: TEMPE

Program Description:

The MSE in construction engineering is a multidisciplinary program encompassing the areas of geotechnical engineering, structural engineering, transportation engineering, construction engineering and management-related topics. The degree focuses on a combination of design and management topics preparing the student for a career working at the interface of design and construction; it is especially desirable to those students who are interested in a career emphasizing construction of infrastructure.

Degree Requirements: 30 credit hours and a written comprehensive exam.

All candidates for the master's are required to complete approved graduate course work.

Additional courses may be assigned by the graduate supervisory committee depending on the background of the candidate.

Details of the comprehensive written examinations for the different specialty areas can be obtained at the graduate studies section of the program's website.

Accelerated Degrees:

This degree is also offered as an accelerated degree with Construction Engineering, BSE

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Applicants must submit an online Graduate Education application.

Applicants are expected to satisfy all requirements for admission to Graduate Education. Entry into this program normally requires a bachelor's degree with a major in engineering or a closely related bachelor's degree program.

The student's credentials for admission are evaluated by the graduate program chair and a committee chaired by the specialty area coordinator.

The minimum GPA requirement is an overall undergraduate GPA of 3.00 on a 4.00 scale. Applicants with a lower GPA may be provisionally admitted at the discretion of the admission committee.

A student whose undergraduate degree is not in civil or construction engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree programs are specified at the time of admission and details can be obtained at the graduate studies section of the program's web site.

Applicants must take the GRE and have their scores sent to Graduate Education. Prospective students should note that the following two requirements need to be met for consideration for admission: minimum score in the quantitative section is 700 and a minimum combined quantitative and verbal scores is 1100. More information regarding how to send official GRE scores to Graduate Education can be found at http://graduate.asu.edu/admissions/degree_requirements (http://graduate.asu.edu/admissions/degree_requirements).

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
School of Sustainable Engineering & Built Environment
<http://more.engineering.asu.edu/grad/>
ECG 251
sebe.advising@asu.edu
480-965-0595

Construction Management, MS (ESCONSTMS)

Online Degree Search Title: Construction Management (MS)

Campus: ONLNE, TEMPE

Program Description:

The faculty in the Del E. Webb School of Construction offer a graduate program leading to the MS in construction management. The interdisciplinary nature of the program allows a candidate's plan of study to reflect individual interests and career goals.

The primary objective of the program is to allow students with a bachelor's in construction or a related field such as architecture, business or engineering to broaden and improve their professional capabilities in construction. The program is designed to meet the growing need for professionals with advanced technical, management and applied research skills in the construction industry.

The facilities management specialty area supports the needs of the student desiring a career in the maintenance, operation, renovation or decommissioning of existing facilities. The construction management specialty area allows students seeking upper-level management positions in various sectors of the construction industry to improve their competency in project, program and company management areas.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam.

If appropriate graduate-level courses are not available in a student's pursued area of interest, the supervisory committee has the option to approve a maximum of six credit hours of 400-level course work to be part of the approved plan of study. Students may not use 400-level deficiency courses to satisfy degree requirements.

Accelerated Degrees:

This degree is also offered as an accelerated degree with Construction Management, BS
Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Applicants must submit a Graduate Education online application.

Applicants are expected to satisfy all requirements for admission to both Graduate Education and the program. In addition, applicants are expected to be competent in basic construction topics. Admission is based on:

- proof of proficiency in the English language*
- a current resume
- an evaluation of the student's academic and professional background
- scores from the verbal, quantitative, and analytical writing portions of the GRE**
- a personal statement
- three letters of recommendation

*Applicants whose native language is not English (regardless of where they may now reside) must demonstrate proficiency in the English language by meeting the Graduate Education English proficiency requirements. Applicants required to demonstrate English proficiency and seeking a teaching assistantship must demonstrate proficiency in spoken English; a score of 55 or better on the Speaking Proficiency English Assessment Kit (SPEAK) or a score of 26 on the speaking portion of the TOEFL is required.

**Applicants must have their official GRE scores sent directly to Graduate Education. More information regarding how to send official GRE scores can be found on the Graduate Education website.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.
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Contact Information:

Engineering, Ira A. Fulton Schools of
Del E. Webb Construction
<http://ssebe.engineering.asu.edu/prospective-students/construction-management.html>
ECG 251
sebe.advising@asu.edu
480-965-0595

Construction Management, PHD (ESCONPHD)

Online Degree Search Title: Construction Management (PHD)

Campus: TEMPE

Program Description:

The faculty in the Del E. Webb School of Construction offer a graduate program leading to the PhD degree in construction management. The purpose of the construction management doctorate program is to prepare research scholars, new faculty and professionals for positions in industry, universities and government as well as facilitate a higher level of investigation and knowledge creation through the professor-doctoral student dynamic.

The Del E. Webb School of Construction is distinctively positioned to provide students with an interdisciplinary educational and research experience at the doctoral level, which will provide value in construction education, research and industry programs, private construction research facilities, and high-level management positions in the construction industry.

The objectives of the degree program include research experience for doctoral students who might wish to pursue careers in either industry or academia as members of interdisciplinary research teams, as well as providing a high-level interdisciplinary doctoral education for those who wish to develop academic careers teaching at the university level.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The doctoral program in construction will typically require three to four years of full-time study and research beyond the master's degree. Generally, students will be admitted into the doctoral degree program at or near the completion of their master's degree.

The program requires 84 credit hours postbachelor's degree or 54 credit hours postmaster's degree.

The program consists of:

- admission to candidacy
- core construction courses
- elective courses
- a qualifying examination
- successful defense of a dissertation prospectus and complete dissertation
- a written and oral comprehensive examination

Admission Requirements:

Students who hold a master's degree in a related field from a regionally accredited university or equivalent are eligible to apply for admission to the program. Only exceptional students will be admitted without a master's degree. Related fields include construction, civil engineering, architecture and business. At the discretion of the admission committee, students from other disciplines may be eligible as well.

Applicants must submit a Graduate Education online application.

Applicants are expected to satisfy all requirements for admission to both Graduate Education and the program. In addition, applicants are expected to be competent in construction topics.

Admission is based upon:

- official GRE scores*
- proof of English language proficiency**
- a current resume
- an evaluation of the student's academic and professional background
- masters' thesis abstract
- a personal statement from each applicant describing their career goals and research objectives
- research interests
- three letters of recommendation

*Applicants must take the GRE and have their official scores sent directly to Graduate Education. More information regarding how to send official GRE scores can be found on the Graduate Education website.

**Applicants whose native language is not English (regardless of where they may now reside) must demonstrate proficiency in the English language by meeting the Graduate Education English proficiency requirements. Applicants required to demonstrate English proficiency and seeking a teaching assistantship must demonstrate proficiency in spoken English; a score of 55 or better on the Speaking Proficiency English Assessment Kit (SPEAK) or a score of 26 on the speaking portion of the TOEFL is required.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Del E. Webb Construction
<http://ssebe.engineering.asu.edu/prospective-students/constmanagement.html>
ECG 251
sebe.advising@asu.edu
480-965-0595

Electrical Engineering, MS (ESEEMS)

Online Degree Search Title: Electrical Engineering (MS)

Campus: TEMPE

Program Description:

This program does not accept applications to the MS directly. Students should apply to the MSE program and, once admitted, consult with the MSE program advisors if interested in the MS program.

The electrical engineering faculty in the Ira A. Fulton Schools of Engineering offer a research program leading to the Master of Science in electrical engineering.

Graduate courses and programs are offered in the following six areas of specialization:

- control systems
- electromagnetics, antennas and microwave circuits
- electronic and mixed-signal circuit design
- electric power and energy systems
- signal processing and communications systems
- solid-state electronics

Degree Requirements: 30 credit hours and a thesis.

The credits earned toward this research degree must include a minimum of eight courses (24 credit hours minimum) and six hours of EEE 599 (thesis). As part of the eight courses, at least two should be outside the area of specialization.

Requirements include:

- at least four EEE courses
- at least two courses outside the area of specialization
- at most two 400-level courses
- at least three EEE 500-level courses
- at most one EEE 590 Reading and Conference or FSE course

exam*

*A final oral examination in defense of the thesis completes the master's requirements.

Admission Requirements:

Applicants must submit an online Graduate Education application.

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Students desiring the Master of Science in electrical engineering must initially apply to the MSE program. Students who later obtain a research advisor may transfer to the MS program.

Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
<http://ecee.engineering.asu.edu/>
GWC 209
askee@asu.edu
480-965-3424

Electrical Engineering, MSE (ESEEMSE)

Online Degree Search Title: Electrical Engineering (MSE)

Campus: ONLNE, TEMPE

Program Description:

The electrical engineering faculty in the Ira A. Fulton Schools of Engineering offer a professional program leading to the MSE in electrical engineering. Graduate courses and programs are offered in the following six areas of specialization:

- control systems (not an option for the online degree but available to on-campus students)
- electromagnetics, antennas and microwave circuits
- electronic and mixed-signal circuit design
- electric power and energy systems
- signal processing and communications systems
- solid-state electronics

Courses are available on campus and online. The degree can be completed taking all classes on campus or all classes online.

A dual degree, the MBA/MSE in electrical engineering, is available as an online option. For more information, visit <http://wpcarey.asu.edu/mba-programs/online/customize-your-MBA#degree> (<http://wpcarey.asu.edu/mba-programs/online/customize-your-MBA#degree>).

Degree Requirements: 30 credit hours and a written comprehensive exam.

The master's in electrical engineering is a professional degree requiring a minimum of 30 hours of course work (a minimum of 10 classes) and a final comprehensive examination. There is no thesis.

Requirements include:

at least five EEE courses

at least three EEE 500-level courses

at least two courses outside the area of specialization

at most one EEE 590 Reading and Conference or FSE course

at most two 400-level courses

A final comprehensive examination in the area of specialization completes the master's in electrical engineering requirements. The examination is given each semester at the end of the sixth week of classes.

Concurrent Degrees:

This degree is also offered as concurrent degree with W. P. Carey MBA - Online Program

Accelerated Degrees:

This degree is also offered as an accelerated degree with Electrical Engineering, BSE

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

The decision to admit a student who has earned a bachelor's degree from a program accredited by ABET to a master's program in electrical engineering is based on a number of factors. A minimum requirement is an undergraduate GPA of 3.00 (out of 4.00) in the student's last two years of undergraduate work. A student whose undergraduate degree is not from an ABET-accredited program must have the equivalent of at least a 3.50 GPA in the last two years of undergraduate study and must score 156 or higher on the quantitative section of the GRE general test.

Students interested in applying to this program must submit an online application to Graduate Education.

In addition, an applicant whose native language is not English (regardless of where they may now reside) must demonstrate proficiency in the English language by meeting the English proficiency requirements stated on the Graduate Education website.

International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the iBT or 50 on the ASU administered Speaking Proficiency English Assessment Kit (SPEAK).

The admissions deadline for the fall semester is the preceding Dec. 31; for the spring semester, the preceding July 31.

A student whose undergraduate degree is not in electrical engineering may need to take appropriate undergraduate courses to establish a baseline of knowledge in the discipline.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
<http://ecee.engineering.asu.edu/>
GWC 209
askee@asu.edu
480-965-3424

Electrical Engineering, PHD (ESEEPHD)

Online Degree Search Title: Electrical Engineering (PhD)

Campus: TEMPE

Program Description:

The PhD in electrical engineering is awarded upon evidence of excellence in research leading to a scholarly dissertation that is a contribution to knowledge. Graduate courses and programs are offered in the following six areas of specialization:

- control systems
- electromagnetics, antennas and microwave circuits
- electronic and mixed-signal circuit design
- electric power and energy systems
- signal processing and communications systems
- solid-state electronics

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Doctoral students are required to complete 84 credit hours of academic credit beyond the bachelor's degree. The following summarizes the degree course requirements:

master's degree: 30 hours from any accredited institution

500-level or above: 18 hours, at least nine hours of EEE courses

research class or omnibus course hours: 12 hours, can be 400-level and above

EEE 792 Research (12)

EEE 799 Dissertation (12)

The 84 hours include 30 credit hours for the master's degree, a required 18 credit hours of doctoral course work, 12 hours of research (EEE 792), and 12 hours (and only 12 hours) of dissertation (EEE 799).

The additional 12 hours can be more hours of research (EEE 792) or can be class work as determined by the supervisory committee. At least half (nine hours) of the minimum requirement of 18 credit hours of doctoral course work must be in electrical engineering. EEE 790 Reading and Conference can be used for no more than three credit hours toward the required 18, but does not count toward the nine hours of 500-level EEE classes required.

All courses counting toward the required 18-hour minimum must be at the 500 level or higher. Note all courses having the prefix EEE 591 count as 400-level courses. No more than one three-hour reading and conference (EEE 790) course can be taken as part of the 18-hour requirement. The content of any proposed reading and conference course must be reviewed and approved by the electrical engineering director of graduate studies before a student registers for the course.

A qualifying examination, a comprehensive exam and the dissertation defense are required. Additional information on the program can be found in the "Blue Student Guide" published and available on the program's website.

Admission Requirements:

Applicants must submit an online Graduate Education application.

In general, a student must have a least a 3.00 GPA (out of 4.00) in all undergraduate course work and at least a 3.50 GPA in all graduate course work for admission to the doctoral program. A student must usually hold a master's degree before being admitted to the doctoral program. Direct doctoral admission is available for students graduating from an ABET-accredited electrical engineering program with a GPA of 3.60 or higher. A student whose master's degree is not from a U.S. institution must score 156 or higher on the quantitative section of the GRE General Test. A good score on the writing portion is considered desirable.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the Internet-Based Test of English as a Foreign Language (TOEFL) or 50 on the ASU administered Speaking Proficiency English Assessment Kit (SPEAK).

The admission deadline for the fall semester is the preceding Dec. 31; for the spring semester, the deadline is the preceding July 31.

A student whose undergraduate degree is not in electrical engineering may need to take appropriate undergraduate courses to establish a baseline of knowledge in the discipline.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
<http://ecee.engineering.asu.edu/>
GWC 209
askee@asu.edu
480-965-3424

Electrical Engineering (Arts, Media and Engineering), MS (ESAMEMS)

Online Degree Search Title: Electrical Engineering (Art, Media and Eng) (MS)

Campus: TEMPE

Program Description:

A concentration in arts, media and engineering has been established as a collaboration between the electrical engineering program at ASU and the Herberger Institute for Design and the Arts. This concentration is available both for the MS and the PhD students admitted to this program who take two-thirds of their course, research and thesis credits from the electrical engineering program and one-third of the credits from the arts, media and engineering program. All applicants are strongly encouraged to see the FAQ on this concentration available at <http://ecee.engineering.asu.edu/faq-ecee-ame-concentration> (<http://ecee.engineering.asu.edu/faq-ecee-ame-concentration>).

Electrical engineering students in the arts, media and engineering concentration undergo training toward integrating principles of digital signal processing, pattern recognition, computer vision and multimedia computing with interdisciplinary objectives, with the goal of enabling new paradigms of human-machine experience that directly address societal needs and facilitate knowledge. Examples include media-based intelligent systems for health care and well-being, as well as promotion of environmentally sustainable practices. For more information see <http://research.ame.asu.edu> (<http://research.ame.asu.edu/>).

Degree Requirements: 30 credit hours and a thesis.

Eight courses are required, typically five from EEE and three from AME. In addition, six hours of thesis are required, typically four credits from EEE and two from AME.

Admission Requirements:

Students interested in applying to this program must submit the Graduate Education online application. Students from ABET-accredited undergraduate programs who wish to be considered for a master's program must have a minimum GPA of 3.00 (on a 4.00 scale) in the last two years of undergraduate course work. Students from undergraduate programs that are not accredited by ABET must have a minimum GPA of 3.50 (on a 4.00 scale) in the last two years of undergraduate course work or have graduated first class with distinction and must score in the 90th percentile or higher on the quantitative section of the GRE general test.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking Academic Catalog Archive 2014-2015 373

portion of the Internet-Based Test of English as a Foreign Language (TOEFL) or 50 on the ASU-administered Speaking Proficiency English Assessment Kit (SPEAK).

Applicants should submit materials that reflect the hybrid nature of the arts and engineering degree, including a statement of purpose and curriculum vitae demonstrating interest and relevant experience in the area. Students will have the opportunity to upload their curriculum vitae and statement of purpose when completing the online application. Additionally, the arts, media and engineering program requires three letters of recommendation from individuals familiar with the applicant's ability to succeed in an interdisciplinary research environment.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
<http://ecee.engineering.asu.edu/>
GWC 209
askee@asu.edu
480-965-3424

Electrical Engineering (Arts, Media and Engineering), PHD (ESAMEPHD)

Online Degree Search Title: Electrical Engineering (Art, Media and Eng) (PhD)

Campus: TEMPE

Program Description:

A concentration in arts, media and engineering has been established as a collaboration between the electrical engineering program at ASU and the Herberger Institute for Design and the Arts. This concentration is available both for the MS and the PhD students admitted to this program who take two-thirds of their course, research and thesis credits from electrical engineering and one-third of the credits from the arts, media and engineering program.

All applicants are strongly encouraged to see the FAQ on this concentration available at <http://ecee.engineering.asu.edu/faq-ecee-ame-concentration> (<http://ecee.engineering.asu.edu/faq-ecee-ame-concentration>).

Electrical engineering students in the arts, media and engineering concentration undergo training toward integrating principles of digital signal processing, pattern recognition, computer vision and multimedia computing with interdisciplinary objectives, with the goal of enabling new paradigms of human-machine experience that directly address societal needs and facilitate knowledge. Examples include media-based intelligent systems for health care and well-being, as well as promotion of environmentally sustainable practices. For more information see <http://research.ame.asu.edu> (<http://research.ame.asu.edu>).

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Program details are as follows:

- a comprehensive examination
- the dissertation defense
- a qualifying examination
- 10 courses are required, typically seven from EEE and three from AME
- 12 hours of dissertation are required, typically eight credits from EEE and four from AME
- 12 hours of research are required, typically eight credits from EEE and four from AME

Admission Requirements:

Applicants must submit an online Graduate Education application.

Applicants with a master's degree who wish to be considered for the doctoral program must have a minimum GPA of 3.50 (on a 4.00 scale) in their master's program. Applicants without a master's degree must have a minimum GPA of 3.60 (on a 4.00 scale) in the last two years of undergraduate course work and have graduated from an ABET-accredited undergraduate program.

In addition to an online application to Graduate Education, an applicant whose native language is not English (regardless of where they may now reside) must demonstrate proficiency in the English language by meeting the English proficiency requirements stated on the Graduate Education website.

International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 26 on the speaking portion of the iBT or 50 on the ASU-administered Speaking Proficiency English Assessment Kit (SPEAK).

Applicants should submit materials that reflect the interdisciplinary nature of the arts and engineering degree, including a statement of purpose and curriculum vitae demonstrating interest and relevant experience in the area. Students will have the opportunity to upload their curriculum vitae and statement of purpose when completing the online application. Additionally, the arts, media and engineering program requires three letters of recommendation from individuals familiar with the applicant's ability to succeed in an interdisciplinary research environment.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
<http://ecee.engineering.asu.edu/>
GWC 209
askee@asu.edu
480-965-3424

Engineering, MEng (ESENGRMENG)

Online Degree Search Title: Master of Engineering (MEng)

Campus: ONLNE, TEMPE

Program Description:

When pursuing an MEng, students can customize their learning experience by selecting a curriculum that addresses their academic and professional goals. The master's is designed for working professionals and is delivered entirely online to meet the unique needs of professional engineers. It is a practice-oriented degree program.

In the MEng program, multiple emphasis areas are available with additional areas under development. Within each area, there are specific course requirements in addition to the general program requirements. Students can select one of several areas of study available, such as:

- embedded systems
- engineering management
- modeling and simulation
- quality, reliability and statistical engineering
- systems engineering

Engineers who enter the master's program have the opportunity to gain valuable experience applicable to their industry while gaining an advanced degree. Convenience and flexibility are key advantages of this program. The Master of Engineering, which can be earned entirely through distance learning, is a 30-credit-hour degree program that does not require GRE results, a thesis or on-campus attendance.

The master's is only available through distance learning. The degree program is supported through online courses available from the Ira A. Fulton Schools of Engineering.

Degree Requirements: 30 credit hours and a written comprehensive exam, or 30 credit hours and an oral comprehensive exam, or 30 credit hours including the required applied project course (CSE 593 or IEE 585 or IEE 593).

- Students must complete a total of 30 credit hours equaling 10 courses to earn a Master of Engineering. One half of all course work, excluding the practice-oriented project, must be in engineering.
- Students must complete three credit hours of applied engineering mathematics and three credit hours of engineering management/business.
- A culminating event is required and will be identified by the student's advisory committee. It could be a final written or oral examination, or the final report for a practice-oriented project. Additional requirements may exist for some academic units and emphasis areas of the Master of Engineering program.

Admission Requirements:

To be considered for admission, the following are required:

- the Graduate Education online application
- official transcripts from all institutions
- bachelor's degree required with a background in the desired field of study
- a minimum GPA of 3.00 (on a 4.00 scale) for the last 60 credit hours of the undergraduate transcript
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required.

Graduates of non-U.S. institutions must satisfy admission requirements established by ASU Graduate Education.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Dean, Ira A. Fulton Schools of Engineering
<http://www.asuengineeringonline.com>
ISTB4 591
asu.cpd@asu.edu
480-965-1740

Engineering, MS (TSEGRMS)

Online Degree Search Title: Engineering MS

Campus: POLY

Program Description:

The MS in engineering program consists of a core set of courses designed to develop applied analytical expertise across disciplinary boundaries, with direct applications of advanced design principles to system design, management and control. The expertise developed in the core curriculum is reinforced through focus areas that provide flexibility for the student, including alternative energy, mechanical, electrical and manufacturing engineering. The program incorporates a relevant project, required of all students in this degree program, within the focus area courses. The degree will offer options for students culminating in a master's thesis, an applied project or a capstone project course. Each of these options is designed to engage students with real-world applications of engineering and to develop problem-solving skills.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required Applied Project course (EGR 593) and an Oral Comprehensive Exam, or 30 credit hours including the required Capstone course (EGR 570).

Culminating Experience: EGR 593 Applied Project (3)
core course credit hours (12)
focus area course credit hours (12)
elective course credit hours (3)
as applicable, other requirements: Not Applicable
overall required credit hours (30)

Culminating Experience: EGR 570 Capstone Course (3)
core course credit hours (12)
focus area course credit hours (12)
elective course credit hours (3)
as applicable, other requirements: Not Applicable
overall required credit hours (30)

Culminating Experience: EGR 599 Thesis (6)
core course credit hours (12)
focus area course credit hours (12)
elective course credit hours: Not Applicable
as applicable, other requirements: Not Applicable
overall required credit hours (30)

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Engineering (Electrical Systems), BSE
- Engineering (Mechanical Engineering Systems), BSE
- Engineering (Robotics), BSE

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Program admission requirements include:

- minimum of an earned U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country in engineering, physical sciences, mathematics or a similar field
- minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's first bachelor's degree program or a minimum of 3.00 cumulative GPA (scale is 4.00 = A) in the applicable master's degree

- a "B" (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work*

GRE test scores

- proof of English language proficiency**

*If the applicant does not meet the minimum GPA requirements, the application may still be considered. In certain cases, demonstrated aptitude through professional experience or additional postbaccalaureate education will be considered.

**Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of

Engineering Programs

<http://innovation.asu.edu/degrees-programs/engineering-computing-systems/engineering-graduate>

TECH 101

technology@asu.edu

480-727-1874

Engineering Science (Enterprise Systems Innovation and Management), MSE (ESIEEMSE)

Online Degree Search Title: Engineering Science (Enterprise Sys Innov and Mgmt) (MSE)

Campus: ONLNE, TEMPE

Program Description:

The Ira A. Fulton Schools of Engineering offer an MSE in engineering science with an enterprise systems innovation and management concentration, providing enterprise and technology managers a wide range of analytical and strategic methods in enterprise systems, innovation and management. The core focus of the program includes enterprise product and service (offering) innovation, process and strategy innovation within the enterprise, in addition to enterprise management, asset, design and business model innovation.

The enterprise systems innovation and management concentration allows professionals the opportunity to enhance their leadership abilities and analytical thinking and bring value to their organization and professional advancement. In today's global environment, business execution is becoming increasingly competitive. Managing resources, products and customers across the globe magnifies organizational challenges and requires more sophisticated systems, tactical thinking and advanced methods of measuring, analyzing and controlling performance. Managers must understand the underlying issues across the enterprise to impact and create business value.

The master's in engineering science with a concentration in enterprise systems innovation and management is only available through distance learning and is no longer accepting new applications. The degree program is supported through online courses available from the Ira A. Fulton Schools of Engineering.

Degree Requirements: 30 credit hours including the required applied project course (IEE 593).

- Students must complete a total of 30 credit hours, equaling 10 courses, to earn an MSE.
- Students must complete a three-credit-hour applied project (IEE 593), three credits of applied engineering mathematics and three credits of engineering management/business.
- Students must complete the required culminating experience course (IEE 593) and an applied project.
- Additional requirements may exist for some academic units.

Admission Requirements:

No new applications are being accepted for the master's in engineering science with a concentration in enterprise systems innovation and management.

Applicants must submit:

- the Graduate Education online application
- official transcripts from all institutions
- a minimum grade point average of 3.00, on a 4.00 scale, for the last 60 credit hours of the undergraduate transcript
- The schools attended and major of study completed are also significant factors in admission; an example of undergraduate degrees of applicants might include, but not be limited to, a BS in business, BS in mathematics or BS in engineering.
- Completion of a basic statistics course and calculus course is required for admission; a prerequisite course in industrial statistics and tools might be required for some students not meeting this requirement.

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

- GRE scores are not required.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
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Engineering Science (Software Engineering), MSE (ESSFEMSE)

Online Degree Search Title: Engineering Science (Software Engineering) (MSE)

Campus: ONLNE

Program Description:

The MSE in engineering science with a software engineering concentration offers specialized courses founded on the fundamentals and principles of software engineering. The program provides the knowledge and skills needed to work as a software engineer or software task leader on large and small projects using either agile methodologies or formal capability maturity model integration approaches. The program addresses major software development methodologies, techniques, tools and processes for developing and managing software projects. The curriculum is based on the Software Engineering Body of Knowledge under the leadership of the IEEE Computer Society. Each course will place an emphasis on applied assignments and projects that are relative to the student's workplace.

The program is only available through distance learning, supported through online courses available from the Ira A. Fulton Schools of Engineering.

Degree Requirements: 30 credit hours and a portfolio, or 30 credit hours including the required applied project course (CSE 593).

- Students must complete 30 credit hours equaling 10 courses to earn a master's.
- Students must complete a culminating experience (applied project or portfolio), three credits of applied engineering mathematics and three credits of engineering management/business.
- A culminating event is required and will be identified by the student's advisory committee. It could be a project portfolio or the final report for an applied project.
- Additional requirements may exist for some academic units.

Admission Requirements:

To be considered for admission, applicants must submit:

- the Graduate Education online application
- official transcripts from all institutions to be evaluated
- applicants must have earned a BS in computer engineering, software engineering or a related field
- a minimum grade point average of 3.00 (on a 4.00 scale) in the last 60 credit hours of the undergraduate transcript (or for the last 12 units of the postbaccalaureate transcript)
- evidence of demonstrated expertise in the area of object-oriented programming, advanced data structures, algorithm design and algorithm analysis; maturity in high-level programming (required); successful completion of Calculus I (a minimum requirement)
- proof of English language proficiency*

*An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required.

Graduates of non-U.S. institutions must satisfy admission requirements established by ASU Graduate Education.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

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Industrial Engineering, MS (ESINDENMS)

Online Degree Search Title: Industrial Engineering (MS)**Campus:** ONLNE, TEMPE**Program Description:**

The MS in industrial engineering degree program offers a thesis track and a nonthesis track. At the time of the admission, students' applications are considered primarily for the nonthesis track. After matriculating at Arizona State University, a student may consult and receive approval from the industrial engineering faculty to pursue the thesis track. Final consideration and approval may be given to students who have obtained an ASU graduate grade point average of 3.20 or greater.

Industrial engineering combines knowledge from the physical, mathematical and social sciences to design systems that integrate people, equipment and information in the most efficient way. Improvements made by industrial engineers in automation, information control and process quality revolutionized manufacturing in the past century and greatly increased quality of life. Trends towards globalization, increased complexity and rapid technological innovation create an even greater need for industrial engineering in the 21st century.

Successful industrial engineering concepts are also spreading to the financial, logistics and health care services industries, affording new areas of opportunity.

Faculty members in the industrial engineering program are internationally recognized for their innovative research projects, funded both by government and industry. The industrial engineering program at ASU is consistently ranked among the top 20 in the nation for graduate programs in the United States.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours and a written comprehensive exam.

The master's in industrial engineering is a 30-credit-hour program which has a thesis and a nonthesis track. The thesis track requires 24 credit hours of course work, six credit hours of thesis, a written thesis and a final oral examination. The nonthesis track requires 30 hours of course work and a comprehensive exam. All students are required to take the following course work:

IEE 505 Information Systems Engineering (3) or IEE 598 Design of Computational Systems (3)

IEE 545 Simulating Stochastic Systems (3)

IEE 572 Design of Engineering Experiments (3) or IEE 578 Regression Analysis (3)

IEE 574 Applied Deterministic Operations Research Models (3) or IEE 575 Applied Stochastic Operations Research Models (3)

three to four area courses

zero to two elective courses

IEE 599 Thesis (6) (thesis track only)

Students must successfully defend the thesis or pass the written comprehensive examination to graduate.

Concurrent Degrees:

This degree is also offered as concurrent degree with W. P. Carey MBA - Online Program

Accelerated Degrees:

This degree is also offered as an accelerated degree with Industrial Engineering, BSE

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Students must submit an online application to Graduate Education. Required supplementary application materials include:

- a statement of purpose
- GRE scores
- three letters of recommendation
- official transcripts from all institutions attended

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

At the time of application, all applicants must have successfully completed a minimum of nine credit hours of calculus (Calculus I, II, III) with a grade of "C" (2.00) or higher.

A student with any deficiency course work must complete each deficiency with a grade of "B" (3.00) or better within two semesters of admission to the program. Deficiency courses include:

CSE 110 Principles of Programming with Java (3)

CSE 205 Concepts of Computer Science and Data Structures (3)

IEE 376 Operations Research Deterministic Techniques/Applications (3)

IEE 380 Probability and Statistics for Engineering Problem Solving (3)

IEE 470 Stochastic Operations Research (3)

MAT 242 Linear Algebra (2)

For full consideration, the application deadline is Jan. 15 for fall semester and Sept. 15 for spring semester.

Contact Information:

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480-965-3199

Industrial Engineering, MSE (ESINDENMSE)

Online Degree Search Title: Industrial Engineering (MSE)

Campus: ONLNE, TEMPE

Program Description:

Industrial engineering combines knowledge from the physical, mathematical and social sciences to design efficient manufacturing and service systems that integrate people, equipment and information. Improvements made by industrial engineering in automation, information control and process quality revolutionized manufacturing in the past century and greatly increased our quality of life. Trends toward globalization, increased complexity and rapid technological innovation create an even greater need for industrial engineering in the 21st century.

Successful industrial engineering concepts are also spreading to the financial, logistics and health care services industries, affording new areas of opportunity.

The MSE in industrial engineering program is designed to bridge the gap between knowledge of engineering sciences and creative engineering practice, while at the same time increasing the depth and breadth of knowledge in selected areas of emphasis. The program of course work applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree.

Degree Requirements: 30 credit hours and a written comprehensive exam.

The MSE in industrial engineering requires:

four core courses

four area courses

two electives

a written comprehensive examination

Students are required to complete the following course work:

IEE 505 Information Systems Engineering (3) or IEE 506 Design of Computational Systems (3)

IEE 545 Simulating Stochastic Systems (3) or IEE 567 Simulation Systems Analysis (3)

IEE 572 Design of Engineering Experiments (3 credits) or IEE 578 Regression Analysis (3)

IEE 574 Applied Deterministic Operations Research Models (3) or IEE 575 Applied Stochastic Operations Research Models (3)

four area courses

two elective courses

Students must complete a final written comprehensive examination in three of the four core courses. A student who maintains a 3.75 GPA in the four core courses is exempt from the written comprehensive examination.

Admission Requirements:

Students will submit the online application to Graduate Education. Required supplementary application materials include:

- a statement of purpose
- GRE scores
- three letters of recommendations

Applicants whose native language is not English (regardless of where they may now reside) must also meet the University's English Proficiency requirements prior to having the application processed. Please see <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).

At the time of the application, all applicants must have completed a minimum of nine credit hours of calculus (Calculus I, II, III) with a grade of "C" (2.00) or higher.

A student assigned with deficiency course work must complete the class with a grade of "B" (3.00) or higher within two semesters of admission to the program. Deficiency courses include:

CSE 110 Principles of Programming with Java (3)
CSE 205 Concepts of Computer Science and Data Structures (3)
IEE 376 Operations Research Deterministic Techniques/Applications (3)
IEE 380 Probability and Statistics of Engineering Problem Solving (3)
IEE 470 Stochastic Operations Research (3)
MAT 242 Linear Algebra (2)

For full consideration, the application deadline is Jan. 15 for fall semester and Sept. 15 for spring semester.

Contact Information:

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Industrial Engineering, PHD (ESINDENPHD)

Online Degree Search Title: Industrial Engineering (PhD)

Campus: TEMPE

Program Description:

The PhD in industrial engineering program engages students in fundamental and applied research in industrial engineering as preparation for careers in academia, government and industry. The overall educational objective of graduate study in industrial engineering is to improve each student's ability to identify, define and solve problems and perform original research to address the underlying causes of these problems. Industrial engineers develop qualitative and quantitative abilities to guide the design and operation of sustainable organizations and systems.

Faculty members in the industrial engineering program are internationally recognized for their innovative research projects, funded both by government and industry. The industrial engineering program at ASU is consistently ranked among the top 20 graduate programs in the United States.

Degree Requirements: 85 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students are required to complete five core courses within the first year of full-time enrollment in the doctoral program:

IEE 605 Foundations of Information Systems Engineering (3)
IEE 620 Optimization I (3)
IEE 622 Optimization II (3)
IEE 640 Probability & Stochastic Processes (3)
IEE 670 Mathematical Statistics (3)

After completion of the core courses, each student must take and successfully pass a qualifying exam on four of the five core courses to be allowed to continue in the program. As part of the program, students will also complete the following required courses:

IEE 594 Conference and Workshop (1)
IEE 700 Research Methods (1)
IEE 784 Teaching Internship (1)
IEE 790 Reading and Conference (1) OR
IEE 584 Internship (1), OR
an additional IEE 594 Conference and Workshop (1)
IEE 792 Research (12)
IEE 799 Thesis (12)

Students must also complete 42 credit hours of approved course work beyond the core and required courses.

Eligible students can request a master's in passing after successfully completing the qualifying exam and completing 30 credit hours in the doctoral program.

A written and an oral comprehensive examination are required no later than the semester following completion of 57 credit hours of course work in the plan of study. The student must also successfully defend the dissertation prospectus and the dissertation research.

Admission Requirements:

Students will submit an online application to Graduate Education. Required supplementary application materials include:

- a statement of purpose
- GRE scores
- three letters of recommendation
- official transcripts from all institutions attended

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

At the time of application, all applicants must have successfully completed a minimum of nine credit hours of calculus (Calculus I, II, III) with a grade of "C" (2.00) or higher.

A student with any deficiency course work must complete each deficiency with a grade of "B" (3.00) or better within two semesters of admission to the program. Deficiency courses include:

CSE 110 Principles of Programming with Java (3)

CSE 205 Concepts of Computer Science and Data Structures (3)

IEE 376 Operations Research Deterministic Techniques/Applications (3)

IEE 380 Probability and Statistics for Engineering Problem Solving (3)

IEE 470 Stochastic Operations Research (3)

MAT 242 Linear Algebra (2)

For full consideration, the application deadline is Dec. 15 for fall semester and Sept. 15 for spring semester.

Contact Information:

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<http://cidse.engineering.asu.edu/>

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480-965-3199

Information Technology, MS (TSIFTMS)

Online Degree Search Title: Information Technology MS

Campus: POLY

Program Description:

Students who select the MS in information technology obtain advanced technology skills that prepare them for careers in industry, education or government. Through the curriculum, graduates design and implement information technology solutions, develop and implement enterprise databases, perform technical analysis of systems and networks, design and create technical graphic and geographic technology solutions, and serve as information technology and communications security experts. The program focuses on developing the ability to conceptualize, organize and realize information technology projects that meet the needs of users within an organizational or societal context. Program course work encompasses core technologies and a specialization area with a culminating project experience.

Degree Requirements: 33 credit hours including the required applied project course (IFT 593).

overall required credit hours (30)

core course credit hours (15)

elective course credit hours (12)

culminating experience: IFT 593 Applied Project (3)

Admission Requirements:

Program admission requirements include:

- minimum of a bachelor's or master's degree in information technology, computer science, applied computing, engineering or a closely-related field from a regionally accredited college or university
- minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's first bachelor's degree program; minimum of 3.00 cumulative GPA (scale is 4.00 = A) in the applicable master's degree
- GRE test
- letters of recommendation
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Information Technology
<http://innovation.asu.edu/degrees-programs/engineering-computing-systems/information-technology-graduate>
TECH 101
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480-727-1874

Lean Six Sigma Black Belt (Certificate), Certificate (ESLSSBGRCT)

Online Degree Search Title: Lean Six Sigma Black Belt Certificate

Campus: ONLNE, TEMPE

Program Description:

The Lean Six Sigma Black Belt graduate certificate is aimed at engineers and managers who oversee tactical and strategic projects as well as various operational functions in their organizations. The certificate aims to provide students with a set of contemporary tools to produce measurable improvements in business processes. In particular, graduates of the certificate program will:

- gain an in-depth understanding of the Define Measure Analyze Improve Control process and the tools used to achieve effective process and product improvement
- develop the leadership and team-building skills necessary to oversee continuous improvement projects with many stakeholders
- understand how lean principles and design for Six Sigma fit into the overall task of product and process improvement

Courses will be available face-to-face for on-campus students and available online through the Office of Global Outreach and Extended Education. To support the professional engineering workforce, students will be able to complete the graduate certificate entirely online.

The culminating experience is an applied project students are required to complete as part of the capstone course. This requirement is in line with the Black Belt certification requirements used nationwide in similar certification programs.

Degree Requirements: 15 credit hours including the required capstone courses (IEE 585).

overall required credit hours (15)

required course credit hours (6)

elective course credit hours (6)

culminating experience: IEE 585 Six Sigma Capstone (3)

Admission Requirements:

Students must fulfill both the requirements of Graduate Education and the Ira A. Fulton Schools of Engineering.

Students should have completed a course in basic statistics, have taken math courses through vector calculus, and demonstrate computer skills with modern programming languages and software. The basic statistics course should cover descriptive statistics, modeling uncertainty through the use of probability distributions, the concept of hypothesis testing, analysis of variance and confidence intervals, and simple linear regression.

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Manufacturing Engineering, MS (TSMEGRMS)

Online Degree Search Title: Manufacturing Engineering (MS)

Campus: POLY

Program Description:

Manufacturing engineering draws upon two distinct bodies of knowledge, manufacturing processes (e.g., how materials are altered in either shape or properties) and the processes of manufacturing (e.g., manufacturing systems and management). This combination of topics is embedded in the MS in manufacturing engineering program, and students can follow their interests by developing deeper expertise in either manufacturing processes or the processes of manufacturing. The degree provides advanced technical content to help students prepare for career transitions and improve company competitiveness. The program consists of a core set of courses designed to provide all students with advanced knowledge of manufacturing fundamentals and an introduction to systems engineering. The expertise developed in the core curriculum supports student focus

areas building on existing unit faculty strengths, including automation, additive and subtractive manufacturing processes (including computer numerical control machining), modeling and simulation, electronics manufacturing, and manufacturing management. A thesis, applied project or capstone course option is offered.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required Applied Project course (EGR 593), or 30 credit hours including the required Capstone course (EGR 570).

Required Core (12)

electives or research (12-15)

one of the following options is required of all students: EGR 599 Thesis (6)

EGR 593 Applied Project (3)

EGR 570 Capstone Design (3)

Total Credit Hours (30)

Admission Requirements:

Program admission requirements include:

- minimum of a bachelor's or master's degree in engineering, physical sciences, mathematics, or similar from a regionally accredited U.S. institution, or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country
- minimum of a "B" (3.00 on a 4.00 scale) GPA in the last 60 semester hours or 90 quarter hours of undergraduate course work
- GRE scores
- proof of English proficiency*

*If the student is from a country whose native language is not English (regardless of where they may now reside), they must provide proof of English proficiency. Acceptable proof is as follows: TOEFL score of at least 550 (PBT) or 80 (iBT), IELTS overall band score of at least 6.5, or Pearson Test of English (PTE) score of at least 60.

Students must fulfill the requirements of Graduate Education and the Ira A. Fulton Schools of Engineering.

Contact Information:

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Engineering Programs

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Materials Science and Engineering, MS (ESMATEMS)

Online Degree Search Title: Materials Science and Engineering (MS)

Campus: ONLNE, TEMPE

Program Description:

The materials science and engineering MS program has two track options: a thesis track and a nonthesis track. The nonthesis track has an applied project or a portfolio option. The thesis and applied project options require a faculty advisor. All students are admitted to the nonthesis track. If students wish to change to the thesis track, a faculty advisor has to be secured, and then a petition can be submitted to change to the thesis track. This graduate program prepares students for professional careers in materials science and engineering and related fields in industry, government and educational institutions.

Degree Requirements: 32 credit hours and a portfolio, or 32 credit hours and a thesis, or 32 credit hours including the required applied project course (MSE 593).

Core Courses (6 credits)

Thesis students must take six hours of core courses selected from the list below. Note that the fourth choice requires both MSE 526 and MSE 527 but only the MSE 526 may be counted as a technical elective. This selection is most appropriate for students who have some background in modern physics.

MSE 515 Introduction to Electrical, Magnetic and Optical Properties of Materials (3)

MSE 523 Structural and Mechanical Properties of Materials (3)

MSE 524 Advanced Thermodynamics (3)

MSE 526/527 Materials Physics I and II (6)

MSE 561 Phase Transformations, Kinetics, and Diffusion in Solids (3)

Technical Electives (18 credits)

Students must take 18 hours of technical electives. Refer to MSE handbook and checksheets for options.

Seminar

Students must take a total of two hours (across two semesters) of MSE 591 Seminar.

Thesis

Thesis students must take six hours of thesis (MSE 599), complete a thesis and pass the thesis defense examination.

Applied Project

Students in the applied project track are required to take three hours, but may take up to six hours, of applied project (MSE 593), complete an applied project and pass the applied project presentation as the final culminating experience.

Portfolio

Students in the portfolio track will submit, in the last semester of their program, a portfolio containing at least two projects from previous materials science and engineering course work, along with a paper explaining the projects. Students must successfully complete the portfolio requirements to pass the culminating experience.

Accelerated Degrees:

This degree is also offered as an accelerated degree with Materials Science and Engineering, BSE

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Admission to the materials science and engineering graduate program is highly competitive.

To be considered for admission to the master's program, the student must submit these items:

- online Graduate Education application
- application fee
- official GRE score
- proof of English language proficiency*
- official transcripts from all prior institutions attended
- personal statement
- resume or curriculum vitae
- three letters of recommendation

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. Students whose native language is not English are required to achieve a minimum score of 100 on the Internet-based Test of English as a Foreign Language (TOEFL).

Students must fulfill both the requirements of Graduate Education and the Ira A. Fulton Schools of Engineering.

The application priority deadlines are Jan. 15 for the fall semester and Aug. 1 for the spring semester.

Contact Information:

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<http://engineer.asu.edu/programs/esmatems>
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480-965-4979

Materials Science and Engineering, MSE (ESMATEMSE)

Online Degree Search Title: Materials Science and Engineering (MSE)

Campus: ONLNE, TEMPE

Program Description:

The materials science and engineering program faculty offer an MSE in materials science and engineering. This degree does not require a thesis. The program is intended for students who are working full-time in industry. Many of the courses are offered online. Three concentration options are available:

- general
- semiconductor processing and packaging packaging track
- semiconductor processing and packaging processing track

Degree Requirements: 32 credit hours and a portfolio, or 32 credit hours including the required applied project course (MSE 593).

A total of 32 credit hours are required for the MSE in materials science and engineering. Students must take 24 credit hours of technical electives, two credit hours of seminar (MSE 591) and six credit hours of applied project (MSE 593) with the following conditions:

- Either IEE 570 Advanced Quality Control or IEE 572 Design of Experiments are highly recommended as technical electives.
- Up to six credit hours of electives may be taken at the 400 level or higher.
- Up to nine credit hours may be from disciplines outside materials, with advisor approval.
- The seminar (MSE 591) is a one credit hour course. Reading and conference (MSE 590) may be taken, with advisor approval, in place of seminar for online students.

Applied project credits (MSE 593) are conducted under the guidance of a faculty member, but can be done remotely. Students must consult the faculty advisor and have an approved applied project plan on file prior to enrolling in applied project course.

Culminating Event

The culminating event consists of an oral presentation before the supervisory committee, in which the student must present the findings in their applied project report, as well as answer questions garnered from the coursework they have completed in the program. The report, typically 25 pages in length, is on a topic of the student's choice and approved by the supervisory committee. Arrangements can be made for the distance learning students to conduct an oral examination by telephone or an online meeting program.

Admission Requirements:

Applicants to the MSE program are required to submit the following:

- application fee
- Graduate Education online admission application
- official transcripts
- personal statement
- resume or curriculum vitae
- Test of English as a Foreign Language (TOEFL) score for applicants whose native language is not English
- three letters of recommendation

GRE scores are not required for admission to the MSE program.

Students must fulfill the requirements of both Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

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Materials Science and Engineering, PHD (ESENMATPHD)

Online Degree Search Title: Materials Science and Engineering (PhD)

Campus: TEMPE

Program Description:

The PhD in materials science and engineering prepares students for professional careers in materials science and engineering and related fields in industry, government and educational institutions.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Credit Requirements

The doctoral program in materials science and engineering consists of 84 hours of graduate work. A total of 10 lecture courses (30 credit hours) plus three credit hours of seminar are required. Students entering the program with a master's degree in materials science may apply up to 30

hours toward the plan of study, but must take four lecture courses at ASU. If the MS has not been completed, a maximum of 12 hours of graduate work may be applied with program approval.

Required Courses

The doctoral program in materials science and engineering program core requirements include 12 hours of graduate-level materials science and engineering courses. The following four courses (comprising these 12 hours) are required for all students:

Core Courses (12 hours)

MSE 523 Structure and Mechanical Properties (3)

MSE 524 Advanced Thermodynamics (3)

MSE 515 Introduction to Electronic, Magnetic and Optical Properties or MSE 526/MSE 527 Materials Physics I and II (3)

MSE 561 Kinetics and Phase Transformations in Solids (3)

Electives (3-18 credit hours)

Students entering with a bachelor's degree are required to complete a minimum of 18 hours of elective course work. Graduate elective courses may be selected from any of the graduate courses in the materials science and engineering curriculum as well as elective courses from related disciplines (e.g., chemistry, physics, electrical engineering), subject to approval by the faculty advisor. These courses should comprise a focused plan of study with emphasis in a particular area of materials science, organized in consultation with faculty supervisory committee.

Research (24-39 credit hours)

Students entering the doctoral program with a master's degree need to complete 24 hours of research (MSE 792). Students entering with a bachelor's degree are required to complete 39 hours of research (MSE 792).

Dissertation (12 credit hours)

All doctoral students are required to complete 12 hours of dissertation (MSE 799). Note that 12 hours (and only 12) of dissertation credit (MSE 799) are required on the plan of study.

Seminar (3 credit hours)

The MSE 591 seminar is a one credit hour course. Students must take three credit hours (across three semesters) of seminar. The seminar course consists of a series of seminars presented by invited speakers and graduate students. Doctoral students are required to give a seminar presentation once during the academic year after they have begun their research.

Admission Requirements:

Applicants to the doctoral program are required to submit the following:

- Graduate Education online admissions application
- application fee
- GRE score
- official transcripts
- personal statement
- resume or curriculum vitae
- Test of English as a Foreign Language (TOEFL) score for international students
- three letters of recommendation

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Once the application file is complete, the file is forwarded to the faculty admissions committee for evaluation and recommendation. Financial aid is available to highly qualified students. The most common type of financial aid is teaching and research assistantships, which are accompanied by tuition waivers and major medical insurance benefits. Other types of financial aid include Ira A. Fulton Schools of Engineering fellowships and Science Foundation Arizona fellowships.

Students must fulfill both the requirements of Graduate Education and the Ira A. Fulton Schools of Engineering.

Applications are due Jan. 15 for fall admission and Sept. 1 for spring admission.

Contact Information:

Engineering, Ira A. Fulton Schools of
Materials Science and Engineering Program
<http://engineer.asu.edu/programs/esenmatphd>

Mechanical Engineering, MS (ESMEMS)

Online Degree Search Title: Mechanical Engineering (MS)

Campus: TEMPE

Program Description:

The mechanical engineering MS program offers two track options: a thesis option and a nonthesis option.

The nonthesis option has two possible culminating experiences: a portfolio or an applied project. The applied project option requires a faculty advisor.

All students are admitted to the nonthesis option unless a faculty thesis advisor is secured, at which time the student can initiate a change to the thesis option.

Degree Requirements: 30 credit hours and a portfolio, or 30 credit hours and a thesis, or 30 credit hours including the required applied project course (MAE 593).

The plan of study (iPOS) must be in accordance with university and program requirements. A minimum cumulative GPA of 3.00 is required throughout the program. Candidates for the program must complete a minimum of 30 credit hours of 500-level and above courses with a minimum cumulative GPA of 3.00 or above in the following courses:

- At least 12 credit hours of MAE graduate course work (500 level and above) are required. Non-MAE graduate courses may be substituted upon the approval of the MAE Graduate Affairs Committee.
- The student should complete at least six credit hours of graduate mathematics-oriented courses (500 level and above).
- At least six credit hours of additional graduate courses are required; these may be either MAE or non-MAE courses, and are not restricted to science, mathematics or engineering. A maximum of three credit hours of MAE 584 Internship may be counted toward this requirement.
- Students are required to complete 30 hours of course work plus the submission of a portfolio, or six hours of MAE 599 Thesis for thesis students, or three hours of MAE 593 Applied Project for applied project students. A final defense of the thesis will be required for thesis students.

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Aerospace Engineering (Aeronautics), BSE
- Aerospace Engineering (Astronautics), BSE
- Aerospace Engineering (Autonomous Vehicle Systems), BSE
- Mechanical Engineering, BSE
- Mechanical Engineering (Computational Mechanics), BSE
- Mechanical Engineering (Energy and Environment), BSE

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Admission to the mechanical engineering graduate program is highly competitive.

To be considered for admission to the master's program, the student must submit these items:

- online Graduate Education application
- application fee
- official GRE score
- proof of English language proficiency*
- official transcripts from all prior institutions attended
- personal statement
- resume or curriculum vitae
- three letters of recommendation

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. Students whose native language is not English are required to achieve a minimum score of 80 on the Internet-based Test of English as a Foreign Language (TOEFL).

Students must fulfill both the requirements of Graduate Education and the Ira A. Fulton Schools of Engineering.

Application priority deadlines are Jan. 15 for the fall semester and August 1 for the spring semester.

Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
<http://engineer.asu.edu/programs/esmems>
ECG 207
semtegrad@asu.edu
480-965-4979

Mechanical Engineering, MSE (ESMEMSE)

Online Degree Search Title: Mechanical Engineering (MSE)

Campus: TEMPE

Program Description:

The mechanical engineering faculty offer a graduate program leading to the MSE in mechanical engineering. The MSE is the nonthesis master's degree in mechanical engineering and requires either a comprehensive exam or an applied project as a culminating event. A number of wide and diverse research areas may be pursued. All of the graduate programs stress a sound foundation leading to a specialized area of study. Additional information can be found in the program guidelines on the school website.

Degree Requirements: 30 credit hours and a portfolio, or 30 credit hours including the required applied project course (MAE 593).

The MSE is the nonthesis master's. The students must pursue one of the following options for their culminating experience: the comprehensive exam (default) or an applied project. Students taking the comprehensive exam, except for Master's-in-Passing (MIP) students, will normally list the graduate program chair as their program committee chair. Students will be allowed to pursue an applied project only if they are able to first secure a faculty advisor, who will then also serve as the program committee chair. The name of the student's program committee chair must be filed with the graduate programs office via the interactive plan of study (iPOS) by the time the student has completed 15 credit hours. A change of program committee chair requires approval of the graduate program chair.

For students pursuing the applied project option, the master's program committee shall consist only of the program committee chair, i.e., only the faculty advisor.

The iPOS must be in accordance with university and program requirements. For students currently enrolled in a master's program at another institution and wishing to transfer to ASU, note that a maximum of nine graduate credit hours may be counted toward an MSE at ASU. A minimum cumulative GPA of 3.00 is required throughout the program. Candidates for the MSE must complete a minimum of 30 credit hours of course work distributed as follows:

- At least 15 credit hours of graduate course work (500 level and above). Non-MAE graduate courses may be substituted upon the approval of the MAE Graduate Affairs Committee.
- At least six credit hours of graduate mathematics-oriented courses (500 level and above). Students are strongly encouraged to take MAE 501 Linear Algebra in Engineering and MAE 502 Partial Differential Equations in Engineering.
- At least six credit hours of additional graduate (500 level and above) courses, which are not restricted to MAE courses or to other technical electives. A maximum of three credit hours of MAE 584 Internship may be counted toward this requirement. A combined maximum of six credit hours of MAE 591 Seminar, MAE 594 Graduate Research Conference, or MAE colloquium classes may be counted toward this requirement.
- A minimum of three hours of MAE 593 Applied Project for applied project students or a minimum of three hours of additional graduate electives (500 level and above) for comprehensive exam students. These additional three hours of graduate electives are not restricted to MAE courses or to other technical electives.

A final comprehensive examination or applied project presentation will be administered. The purpose of this culminating event is to determine the student's ability to integrate the knowledge gained in his or her course work.

Admission Requirements: • Applicants must submit an online Graduate Education application.

- All applicants are required to submit a statement of academic and career objectives and address the desire to pursue graduate studies at ASU in mechanical engineering.
- All applicants are required to take the general GRE.
- A minimum GPA of 3.00 (on a 4.00 scale) is required for graduates from accredited U.S. institutions. Graduate Education is responsible for international GPA interpretation.
- Applicants who do not have English as their primary language are required to achieve a minimum score of 80 on the Internet-based Test of English as a Foreign Language (TOEFL).
- Three letters of recommendation are required, using the online recommendation system.

Students must fulfill requirements of both Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
<http://engineering.asu.edu/semte>
ECG 337
semtegrad@asu.edu
480-965-4979

Mechanical Engineering, PHD (ESMEPHD)

Online Degree Search Title: Mechanical Engineering (PhD)

Campus: TEMPE

Program Description:

The PhD program in mechanical engineering accommodates individual interests and encourages independent and innovative study. Students are part of a diverse intellectual community dedicated to advancing the state of the art and practice of mechanical engineering.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

84 credit hours

qualifying exams

written and oral comprehensive exams

prospectus

dissertation

All students pursuing the PhD are required to pass both a qualifying and a comprehensive examination administered by the program committee.

credit hours of course work directly related to the research area (18)

credit hours of mathematics (9)

credit hours of graduate elective courses outside the major research area (9)

MAE 792 Research

MAE 799 Dissertation credit hours (12)

Admission Requirements:

Admission to the mechanical engineering doctoral program is highly competitive. To be considered for admission to the program, the student must submit these items:

- Graduate Education application
- application fee
- GRE scores
- official transcripts from all prior institutions attended
- personal statement
- resume or curriculum vitae
- proof of English language proficiency*
- three letters of recommendation

*Students whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency and are required to achieve a minimum score of 80 on the Internet-based Test of English as a Foreign Language (TOEFL).

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Application priority deadlines are Jan. 15 for fall admission and Aug. 1 for spring admission.

Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
<http://engineer.asu.edu/programs/esmephd>
ECG 207
semtegrad@asu.edu
480-965-4979

Mechanical Engineering (Engineering Education), PHD (ESMEEEDPHD)

Online Degree Search Title: Mechanical Engineering (Engineering Education) PhD

Campus: TEMPE

Program Description:

The PhD in mechanical engineering with a concentration in engineering education will prepare students to become scholars, researchers or practitioners in academia. The proposed concentration provides students with an opportunity to explore pedagogy, methodology, curriculum and instruction and apply it to engineering.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

credit hours of course work directly related to the research area (18)

credit hours of courses in methodology, curriculum and instruction (15)

credit hours of mathematics courses (9)

credit hours of additional course work and research related to dissertation (30)

written and oral comprehensive exams

prospectus

dissertation (12)

required credit hours total (84)

Admission Requirements:

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton School of Engineering.

To be considered for admission to the doctoral program the student must submit these items:

- Graduate Education application
- application fee
- GRE scores
- official transcripts from all prior institutions attended
- personal statement
- resume or curriculum vitae
- three letters of recommendation

Applications are due Jan. 31 for fall admission and July 1 for spring admission.

Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
<http://engineer.asu.edu/graduate>
ECG 207
semtegrad@asu.edu
480-965-4979

Natural Science (Middle School Science, Technology, Engineering and Mathematics), MNS (GCSTMMNS)

Online Degree Search Title: Middle School Sci, Tech, Engr, and Math (MNS)

Campus: TEMPE

Program Description:

The middle school science, technology, engineering and mathematics concentration under the MNS degree program is a focused course of study for K-8 certified teachers, providing them with integrated content in STEM subject matter that enables them to be considered highly qualified by the No Child Left Behind Act. In addition, the concentration utilizes sustainability research and integrates STEM content around sustainability. Its target audience is middle school teachers rather than secondary certified teachers, secondary mathematics teachers, and applied mathematicians. Although most program applicants will hold a valid teaching certificate, it is not required that they do so for admission. The program would also be appropriate for informal mathematics and science educators such as education outreach coordinators for industry and museums.

Degree Requirements: 30 credit hours including the required applied project course (PHS 593 or STM 593).

The distribution of courses for this concentration are:

Required core course:

STM 501 Introduction to Modeling in STEM (3) Required concentration courses: STM 502 Cognition and Instruction in STEM (3)

STM 503 Mathematical Modeling (3)

STM 504 Modeling Integrated Science (3)
STM 505 Engineering Design (3)
STM 511 Classroom Applications in STEM (3)
STM 512 Quantitative Modeling (3)
STM 513 Sustainability Science (3)
Elective course (3) Culminating experience: STM 593/PHS 593 Applied Project (3) Total credit hours: 30

Admission Requirements:

Applicants must submit an online Graduate Education application.

A bachelor's from a regionally accredited university with a junior-senior GPA of 3.00 (no particular major is required).

Students must meet all admissions criteria of Graduate Education and must submit an online application for admission, including requirements on English proficiency. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Contact Information:

Engineering, Ira A. Fulton Schools of
School for Engineering of Matter, Transport & Energy
<http://modelit.asu.edu>
ECG 217
STEMMNS@asu.edu
480-965-7840

Nuclear Power Generation (certificate), Certificate (ESNPGRCT)

Online Degree Search Title: Nuclear Power Generation (Grad Certificate)

Campus: ONLINE, TEMPE

Program Description:

The nuclear power generation graduate certificate is a multidisciplinary professional option within the Ira A. Fulton Schools of Engineering. The goal of the nuclear power generation certificate program is to prepare students and professionals from a variety of engineering and scientific disciplines to work effectively in the nuclear energy industry, including nuclear power plants, government regulators and national laboratories. The certificate program offers students a comprehensive, interdisciplinary education as courses from multiple academic units constitute the core and elective classes available to the student.

Students typically begin with the study of nuclear science and engineering fundamentals. Subsequent core courses focus on:

- nuclear power plant dynamics and diagnostics
- nuclear power plant operations and safety
- nuclear reactor theory and design
- structural materials in nuclear power systems

Elective courses allow students to tailor the remaining studies toward facilitating their career goals and focusing on studies tied to their discipline. Example elective courses include nuclear power engineering, health physics and electrical power plants. The primary mode of instructional delivery is online using the facilities of the engineering office of Global Outreach and Extended Education.

Degree Requirements: 15 credit hours.

15 credit hours including:

EEE 562 Nuclear Reactor Theory and Design (3)
EEE 563 Nuclear Reactor System Dynamics and Diagnostics (3)
EEE 564 Interdisciplinary Nuclear Power Operations (3)
MSE 565 Structural Materials in Nuclear Power Systems (3)

Admission Requirements:

Applicants who hold a bachelor's in an engineering or science discipline, such as physics, chemistry and mathematics, from a regionally accredited institution are eligible to apply to the program. Applicants are required to submit:

- an official ASU Graduate Education online application
- official transcripts of all undergraduate and graduate course work
- a statement of career and educational goals

Regular admission may be granted to applicants who have achieved a GPA of 3.00 (4.00 scale) or better in the last two years of work leading to a bachelor's and are competitive in the applicant pool.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
<http://ecee.engineering.asu.edu/>
GWC 209
askee@asu.edu
480-965-3424

Simulation, Modeling, and Applied Cognitive Science, PHD (TSSMACSPHD)

Online Degree Search Title: Simulation, Modeling and Applied Cognitive Science (PhD)

Campus: POLY

Program Description:

Simulation, modeling and applied cognitive science describes a growing transdisciplinary field (including the disciplines of psychology, engineering and computer science) that explores how people interact with technological and social systems in contexts that include transportation, medicine, military, computing and other complex systems. Cognitive science provides the foundation necessary for integrating human capabilities and limitations into complex sociotechnical systems (i.e., the practice of cognitive engineering), and the application of cognitive science relies heavily on simulation and modeling methods.

A large domain exists in which coupling applied cognitive science with simulation and modeling is imperative. Examples include the following:

- development of intelligent agents
- driving simulators for research on driver distraction
- dynamical systems models of team interaction
- gaming simulators for studying business decision-making
- human-in-the-loop simulation studies of cybersecurity analysis
- models of cognitive states and processes or sociocultural systems
- medical simulation for health care research
- nuclear control room simulation for improved human system integration
- pilot training research using aircraft simulators
- simulation of consumer behavior
- tests of future airspace control concepts using air traffic control simulators

This PhD is designed to produce individuals who are well-grounded in simulation, modeling and cognitive science and skilled in its methods. Employers (e.g., Department of Defense, Federal Aviation Administration, Nuclear Regulatory Commission, hospitals, etc.) have an ever-increasing demand for personnel who can bridge the gap between rigorous science and solutions to real-world problems. The doctorate will provide transdisciplinary, research-driven training in the computing, engineering, technology, applied cognitive science and human systems integration.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students will work with a committee of at least three faculty members to design a program of study tailored to the student's interests and background. There will be considerable flexibility in setting the plan of study, but it must include a minimum number of credit hours in the areas of foundations, tools and methods, applications, research and scholarship. The program should also aim for an interdisciplinary education by including work in various disciplines. The degree requires 84 credit hours, with up to 30 credit hours accepted from a previously awarded master's. Electives can be chosen to provide additional breadth or depth, depending on the student.

Admission Requirements:

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered until complete.

- an online Graduate Education application
- official transcript from each college or university attended
- an English proficiency exam for applicants whose native language is not English
- official GRE general exam scores
- statement of research interests

- three letters of recommendation

Note: A master's in psychology, engineering, cognitive science, computer science or closely related field is required.

International applicants can find complete information on the English proficiency exams and other required documents on the Graduate Education website: <http://graduate.asu.edu/admissions/international> (<http://graduate.asu.edu/admissions/international>).

For best consideration, the deadline is Feb. 1 for fall applications. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

Admission to the graduate degree program presupposes an adequate technical preparation in statistics, cognitive science and software programming. Applicants who lack some of the required preparation still may be admitted but assigned deficiency courses, which must be completed within the first semester of starting the graduate program while concurrently enrolled in graduate-level course work. Deficiencies courses are assigned after admission is granted but before the start of the student's first semester. A faculty member will notify students with deficiencies and the specific course requirements via email.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of

Human Systems Engineering

<http://innovation.asu.edu/degrees-programs/human-environmental-systems/simulation-modeling-applied-cognitive-science-phd>

TECH 101

technology@asu.edu

480-727-1874

Software Engineering, MS (TSSERMS)

Online Degree Search Title: Software Engineering MS

Campus: POLY

Program Description:

The MS in software engineering degree program focuses on developing advanced knowledge and abilities in the design and application of software. Students will learn to apply engineering principles to software development, including design methodologies, operation principles and maintenance and testing approaches. The program is aimed at developing professional skills in this discipline as well as providing opportunities for students to engage in research and develop research abilities.

Degree Requirements: 33 credit hours and a thesis, or 33 credit hours including the required applied project course (CST 517 and CST 518), or 33 credit hours including the required applied project course (CST 593 and CST 517 or CST 518).

overall required credit hours (33)

core course credit hours (15)

elective course credit hours (12)

culminating experience (three options; each combination totals 6 credit hours taken over two semesters):capstone course requirements:

CST 517 Software Factory I (3) and CST 518 Software Factory II (3)applied project course requirements:

CST 517 Software Factory I (3) and CST 593 Applied Project (3)thesis course requirement:

CST 599 Thesis (6)

Accelerated Degrees:

This degree is also offered as an accelerated degree with Software Engineering, BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Program admission requirements include:

- minimum of a bachelor's or master's degree in information technology, computer science, applied computing, engineering or a closely related field, from a regionally accredited college or university (or international equivalent)
- minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's first bachelor's degree program; minimum of 3.00 cumulative GPA (scale is 4.00=A) in the applicable master's degree, if appropriate
- GRE test
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of

Software Engineering

<http://innovation.asu.edu/degrees-programs/engineering-computing-systems/software-engineering-graduate>

TECH 101

technology@asu.edu

480-727-1874

Solar Energy Engineering and Commercialization, PSM (ESSEECPSM)

Online Degree Search Title: Solar Energy Engineering and Commercialization (PSM)

Campus: TEMPE

Program Description:

The PSM in solar energy engineering and commercialization offers advanced, interdisciplinary education in solar energy to students with backgrounds in science, technology, engineering or mathematics (STEM). The objective of the program is to enable graduates to pursue careers in industry, government or the nonprofit sector that involve solar energy and its utilization. Students in the program must select courses from technical and nontechnical tracks, including solar energy policy, spanning a number of academic programs and schools. Opportunities exist for engagement with the solar energy industry or government policymakers, leading to a required culminating applied research project. The degree program is meant to be completed in 12 months for full-time students.

Degree Requirements: 30 credit hours including the required applied project course (MAE 593 or SEC 593).

The Professional Science Master's in solar energy engineering and commercialization requires the following:

Core Courses (15 credit hours):

one approved Solar Photovoltaic graduate course (3)*

GCU 598 Solar Energy and Public Policy (2)

HSD 594 Science Outside the Lab (Field Trip - Washington DC) (1)

MAE 588/SEC 588 Solar Energy Colloquium (3)

MAE 593/SEC 593 Applied Project (6)

Elective Courses (15 credit hours including 9 technical credits and 6 non-technical credits)

*Students will be provided with a list of approved courses, to include but not be limited to ALT 507 Evaluation of Photovoltaics and Fuel Cell Systems, ALT 535 Applied Photovoltaics, EEE 565 Solar Cells, or EEE 591 Solar Energy.

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Mechanical Engineering, BSE

Mechanical Engineering (Computational Mechanics), BSE

Mechanical Engineering (Energy and Environment), BSE

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements: • completed Graduate Education online application

- official transcripts from each institution from which a degree was earned sent to Graduate Education
- general GRE
- minimum of a 3.00 cumulative GPA (4.00="A" scale) in the last 60 hours of a student's bachelor's program
- minimum of a bachelor's degree in a field such as science, technology, engineering or mathematics (STEM), from a regionally accredited institution or the equivalent of a U.S. bachelor's from an international institution that is officially recognized by that country
- English proficiency requirement*
- three letters of recommendation
- personal statement

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. Acceptable scores on the TOEFL or IELTS as follows: The minimum TOEFL requirement is 550 (PBT) or 80 (iBT).

The minimum IELTS requirement is an overall band score of 6.5.

The minimum Pearson Test of English (PTE) requirement is 60.

Other details regarding English proficiency requirements are described on the Graduate Education website:

<https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
School for Engineering of Matter, Transport & Energy
<http://engineering.asu.edu/semte/Solar.html>
ENGRC 425
PSM.Solar.Energy@asu.edu
480-965-5584

Sustainable Technology and Management (certificate), Certificate (SUSUTECHCE)

Online Degree Search Title: Sustainable Tech and Management (Grad Certificate)

Campus: ONLINE, TEMPE

Program Description:

The certificate in sustainable technology and management is an interdisciplinary program that helps managers, engineers and organizations meet the business and engineering imperatives of sustainable development in a globalizing and increasingly competitive economy.

Students will be presented with metrics and skill sets that will enhance the development of sustainable technologies, entrepreneurship and organizational strategy. The net benefit will be reduced risks and costs and increased competitive advantages through strategic alliances, scenario planning and resource management.

Degree Requirements: 15 credit hours.

Students will work with a faculty advisor to select their course work.

Students will complete a capstone project supervised by a faculty advisor, which will demonstrate complex engineering management problem-solving for sustainability and technologies. This will include:

- a presentation to the faculty, advisory committee and invited members of the community
- comparative analysis of options
- detailed business plans
- technical evaluations and recommendations

Students are expected to earn a "B" (3.00) or better in each course. It is also expected that they complete the program in three years, but can finish the program in one or two years depending on how many courses they take each semester.

Admission Requirements:

Students are required to apply for this certificate program through the Graduate Education online application.

Students must have a bachelor's or master's from a regionally accredited institution with a cumulative grade point average of 3.00 or higher, on a 4.00 scale, or be currently admitted to a graduate degree program at ASU.

Students are required to submit official copies of all undergraduate and graduate transcripts to Graduate Education. ASU transcripts do not need to be sent. If a student has already submitted these to ASU, they do not need to resend them.

A personal statement and resume must be submitted along with the application. Preference will be given to students with degrees in business, engineering, the sciences or public policy.

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students are required to apply to the certificate program before completing more than six credit hours of the required courses for the certificate.

Students must fulfill both the requirements of Graduate Education and the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
<http://ssebe.engineering.asu.edu/prospective-students/civil.html>
ECG 251

Technology (Alternative Energy Technologies), MSTech (TSATMSTECH)

Online Degree Search Title: Alternative Energy Technologies (MSTech)

Campus: POLY

Program Description:

The MSTech concentration in alternative energy technologies provides students with graduate level expertise in alternative energy technologies that will provide energy resources in the global economy. The program is flexible and permits students to develop a program of study, with faculty approval, to meet their individual career goals.

The program provides a hands-on research experience in the alternative energy technologies field. Topics for master's theses and applied projects include: the use of energy sources such as solar, wind, ocean, geothermal and biomass; the solar-hydrogen cycle, a renewable energy scenario that relies on production of hydrogen from solar energy; and energy conversion and distribution in a "smart electrical grid." The required research provides students with an opportunity to develop special research and application skills directly related to individual needs and objectives in the field of alternative energy technologies.

Degree Requirements: 33 credit hours and a thesis, or 33 credit hours including the required applied project course (EST 593).

Thesis Option

Concentration (15-16)

Supporting Area (8-9)

Research methods courses:

EST 500 Research/Writing (2)

EST 591 Graduate Seminar (1)

EST 599 Thesis (6)

At least nine hours of 500-level course work must be included in the technical concentration. Students may take up to six credit hours of 400-level course work to broaden their technical knowledge within the concentration or supporting area. Students are required to complete six hours of EST 599 Thesis, write a thesis and make an oral defense. All course work applied toward the minimum 33-credit-hour total must be at the 400 and 500 levels.

Nonthesis Option

Concentration (15-18)

Supporting Area (9-12)

Research Methods Courses:

EST 500 Research/Writing (2)

EST 591 Graduate Seminar (1)

EST 593 Project (3)

At least nine hours of 500-level course work must be included in the technical concentration. A maximum of three credit hours of EST 593 Applied Project may be applied toward the 20-credit-hour, 500-level minimum. Additional background deficiency hours may be required. All course work outside Engineering Programs must be preapproved by the department chair.

A final oral defense of the applied project is required. A copy of the applied project report or thesis must be submitted before the candidate is eligible for this examination.

Plan of Study

Course work: The student selects a concentration and supporting area, as well as a subset of courses from each area. Specifically, five to six courses are selected from the concentration area and three or four are selected from the supporting area. Early in the program, the student identifies an advisor for the major who is a faculty member of the department interested in the selected area of concentration. The student works with the advisor and committee to develop the program of study and, subsequently, to carry out the research component of the program.

Research: Each student is required to complete an applied project or thesis within the student's area of emphasis as a part of the degree program. The applied project includes a written report.

Research Activity: Research activities in Engineering Programs include systems, circuit applications and digital design. MSTech candidates will find a broad range of research that can lead to an applied project or thesis.

Admission Requirements:

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered until complete.

- an online Graduate Education application
- official transcript from each college or university attended
- an English proficiency exam for applicants whose native language is not English*
- official GRE general exam scores
- statement of purpose
- current resume
- optional) three letters of recommendation

*International applicants can find complete information on the English proficiency exams and other required documents on the Graduate Education website: <http://graduate.asu.edu/admissions/international> (<http://graduate.asu.edu/admissions/international>).

Note: A bachelor's that includes a minimum of 30 credit hours or equivalent in a technology area including course work applicable to the concentration being sought and a minimum of 16 credit hours of mathematics and science is required.

For best consideration, the deadline is Feb. 1 for fall applications and Oct. 1 for spring applications. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

Undergraduate deficiency courses must be completed within the first year of the graduate program while concurrently enrolled in graduate-level course work.

Students must fulfill requirements of both Graduate Education and the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Engineering Programs
<https://innovation.asu.edu>
TECH 101
technology@asu.edu
480-727-1874

Technology (Aviation Management and Human Factors), MSTEch (TSHFMSTECH)

Online Degree Search Title: Aviation Mgmt/Human Factors (MSTEch)

Campus: POLY

Program Description:

The MSTEch program offers a concentration in aviation management and human factors. The program focus is on preparing graduates for a career in the aviation industry and can serve as the foundation for further advanced study. Courses are offered at the Polytechnic campus, with some courses offered online. Graduates of this program are provided with technical and professional skills for use in leadership positions in the aviation industry.

Degree Requirements: 33 credit hours and a thesis, or 33 credit hours including the required applied project course (AMT 593).

The following are the core requirements for meeting the department's goal to provide an in-depth research and statistics background early in the program, as a foundation for the student's thesis or applied project. The comprehensive elective curriculum design will offer courses that reflect current and applied topics.

Core Requirements

Course selection must include the following core courses:

OMT 504 Law and Ethics for Technical Professionals (3)

OMT 549 Research Methods or equivalent (3)

PSY 530 Intermediate Statistics (3)

Students have a choice of selecting a thesis option (nine credit hours of core courses plus 18 credit hours of selected course work) or an applied project option (nine credit hours of core courses plus 21 credit hours of selected course work). The detailed design of the graduate student's total program requirements (33 credit hours) with the selection of the required courses will be the responsibility of the student along with the supervisory committee chair and committee members. The defining guideline for the department will be to match the student's specific career goals and objectives to a balanced curriculum that can be achieved in a reasonable time and in accordance with a known course-offering schedule.

Additional Requirements

Eighteen credit hours are required for the thesis option and 21 credit hours for the applied project option.

AMT 522 Aviation Law (3) (spring offering)
AMT 523 Intermodal Transportation Management (3) (summer offering)
AMT 525 Airport Planning and Design (3) (spring offering)
AMT 526 Aviation Labor Relations (3) (fall offering)
AMT 527 Airline Management Strategies (3) (fall offering)
AMT 541 Aviation Physiology (3) (fall offering)
AMT 546 Crew Resource Management/LOFT (3) (spring offering)

All master's courses will be 500-level courses. A single course exception (400-level course) may be authorized with the consensus of the supervisory committee. Students in this graduate program also have the opportunity to enroll in operations management technology and cognitive science and engineering graduate courses. Aviation students must take at least five AMT graduate courses.

Admission Requirements:

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered until complete.

- an online Graduate Education application
- official transcript from each college or university attended
- an English proficiency exam for applicants whose native language is not English*
- official GRE general exam scores
- statement of purpose
- current resume
- three letters of recommendation

*International applicants can find complete information on the English proficiency exams and other required documents on the Graduate Education website: <http://graduate.asu.edu/international> (<http://graduate.asu.edu/international>).

For best consideration, the deadline is Feb. 1 for fall applications and Oct. 1 for spring applications. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

Admission to the graduate degree program presupposes an adequate technical preparation in a selected technology at the undergraduate level. The applicant's past work and professional experience are also evaluated and taken into consideration. Undergraduate course work of admitted applicants to this program generally include calculus and statistics.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Aviation Programs

<http://innovation.asu.edu/degrees-programs/human-environmental-systems/aviation-management-human-factors-graduate>
TECH 101
technology@asu.edu
480-727-1874

Technology (Electronic Systems Engineering Technology), MS^{Tech} (TSSYMSTECH)

Online Degree Search Title: Electronics Engineering Technology (MS^{Tech})

Campus: POLY

Program Description:

The MS^{Tech} with a concentration in electronic systems provides students with graduate level expertise in the technology of electronics and its application at a system level. The program is flexible and permits students to develop a program of study, with faculty approval, to meet their individual career goals. The student selects a combination of courses in a technical concentration and supporting area. The program provides students with an opportunity to conduct research either as a master's thesis or as an applied project. This research experience will develop special research and application skills directly related to individual needs and objectives.

Degree Requirements: 33 credit hours and a thesis, or 33 credit hours including the required applied project course (EST 593 or EET 593).

The degree requirements for the master's with a concentration in electronic systems engineering technology offered by the department include:

Thesis Option
Concentration (15-16)
Supporting Area (8-9)
Research Methods Courses:
EST 500 Research/Writing (2)

EST 591 Graduate Seminar (1)

EST 599 Thesis (6)

At least nine hours of 500-level course work must be included in the technical concentration. Students may take up to six credit hours of 400-level course work to broaden their technical knowledge within the concentration or supporting area. Students are required to complete six hours of EST 599 Thesis, write a thesis and make an oral defense. All course work applied toward the minimum 33 credit hours total must be at the 400 and 500 levels.

Nonthesis Option

Concentration (15-18)

Supporting Area (9-12)

Research Methods Courses:

EST 500 Research/Writing (2)

EST 591 Graduate Seminar (1)

EST 593 Applied Project (3)

At least nine hours of 500-level course work must be included in the technical concentration. A maximum of three credit hours of EST 593 Applied Project may be applied toward the 20-credit-hour, 500-level minimum. Additional background deficiency hours may be required. All course work outside the department must be preapproved by the department chair.

A final oral defense of the applied project is required. A copy of the applied project report or thesis must be submitted before the candidate is eligible for this examination.

Plan of Study

Course work: The student selects a concentration and supporting area, as well as a subset of courses from each area. Specifically, five to six courses are selected from the concentration area, and three or four are selected from the supporting area. Early in the program, the student identifies a major advisor, who is a faculty member of the department interested in the selected area of concentration, and a committee. The student works with the major advisor and committee to develop the program of study and subsequently to carry out the research component of the program.

Research: Each student, as a part of the degree program, is required to complete an applied project or thesis within the student's area of emphasis. The applied project includes a written report.

Research Activity: Research activities in the department include systems, circuit applications and digital design. Candidates will find a broad range of research that can lead to an applied project or thesis.

Admission Requirements:

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered until complete.

- an online Graduate Education application
- official transcript from each college or university attended
- an English proficiency exam for applicants whose native language is not English
- official GRE general exam scores
- statement of purpose
- current resume
- optional) three letters of recommendation

Note: A bachelor's that includes a minimum of 30 credit hours or equivalent in a technology area including course work applicable to the concentration being sought, and a minimum of 16 credit hours of mathematics and science is required.

International applicants can find complete information on the English proficiency exams and other required documents on the Graduate Education website: <http://graduate.asu.edu/admissions/international> (<http://graduate.asu.edu/admissions/international>).

For best consideration, the deadline is Feb. 1 for fall applications; Oct. 1 for spring applications. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

Undergraduate deficiency courses must be completed within the first year of the graduate program while concurrently enrolled in graduate-level course work.

Students must fulfill requirements of both Graduate Education and the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Engineering Programs
<https://innovation.asu.edu>

TECH 101
technology@asu.edu
480-727-1874

Technology (Environmental Technology Management), MTech (TSMGMSTECH)

Online Degree Search Title: Environmental Tech Mgmt (Polytechnic Campus) (MTech)

Campus: POLY

Program Description:

The MTech degree with a concentration in environmental technology management provides students with a background in the sciences, engineering, environmental science, natural resource management or other affiliated areas with the regulatory and technical background to manage complex environmental problems.

Graduate courses are available in a traditional face-to-face format and as online courses. The degree can be completed as a completely Web-based distance learning program and students are currently enrolled from more than 20 states and countries around the world. Most students are working professionals and are able to finish the degree while working full time. It is possible to complete the degree within two years, including summers. The curriculum includes courses such as:

- air pollution
- chemistry of hazardous materials
- environmental law
- hazardous waste management
- industrial hygiene
- international environmental law
- soil and groundwater contamination
- sustainable development
- toxicology

Degree Requirements: 33 credit hours and a thesis, or 33 credit hours including the required applied project course (ETM 593 or ERM 593).

Concentration area course work includes 12 credit hours of core classes and 15 credit hours of approved electives in addition to six credit hours of thesis (ETM 599) or applied project (ETM 593) and research (ETM 592).

Applied Project Option

Core Courses (12)

Approved Electives (15)

Research (3)

Applied Project (3)

Thesis Option

Core Courses (12)

Approved Electives (15)

Thesis (6)

Supporting course work includes the following areas of study:

- air pollution
- comprehensive emergency management
- environmental chemistry
- environmental risk assessment
- homeland security
- international environmental law
- international environmental management
- principles of hazardous materials and waste
- soils and groundwater contamination
- sustainability and sustainable development
- sustainable solid waste management
- terrorism, weapons of mass destruction and current issues
- water and wastewater treatment technologies

Accelerated Degrees:

This degree is also offered as an accelerated degree with Environmental and Resource Management, BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered until complete.

- an online Graduate Education application
- official transcript from each college or university attended
- an English proficiency exam for applicants whose native language is not English
- official GRE general exam scores
- statement of purpose (maximum of 600 words)
- current resume

Applicants may optionally submit three letters of recommendation.

International applicants can find complete information on the English proficiency exams and other required documents on the Graduate Education website: <http://graduate.asu.edu/admissions/international> (<http://graduate.asu.edu/admissions/international>). Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

For best consideration, the deadline is Feb. 1 for fall applications; Oct. 1 for spring applications; April 15 for summer applications. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

Admission to the graduate degree program presupposes an adequate preparation in a selected technology at the undergraduate level. The applicant's past work and professional experience are also evaluated and taken into consideration.

Undergraduate course work of admitted applicants to this program generally includes chemistry, precalculus and statistics. Deficiencies for admission to the graduate degree program, if any, are specified at the time of admission.

Undergraduate deficiency courses must be completed within the first year of the graduate program while concurrently enrolled in graduate-level course work.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Tech Innovation & Entrepr Mgmt
<http://innovation.asu.edu>
TECH 101
technology@asu.edu
480-727-1874

Technology (Global Technology and Entrepreneurship), MSTech (TSGEMSTECH)

Online Degree Search Title: Technology (Global Technology and Entrepreneurship) MSTech

Campus: ONLNE, POLY

Program Description:

The MSTech with a concentration in global technology and entrepreneurship prepares graduates for entrepreneurial and intrapreneurial roles in global technology-driven organizations. The global technology and entrepreneurship program empowers graduates to become leaders in global technology-driven organizations through hands-on study and experiential learning of entrepreneurship and innovation ;combined with strategic management of technology, decision making, and systems and process analysis and modeling.

Program graduates serve as enablers in the implementation of their organization's strategy. Graduates will be able to critically assess and solve problems while they contribute to, and utilize, knowledge and applied learning experience toward strategic management of technology; entrepreneurship and innovation; strategic adoption and use of technology; analysis and modeling of systems; identification, testing and acceleration of adoption of new business and manufacturing processes; evaluation and adoption of global best practices and utilization of knowledge management techniques. Project-based experiential learning is used in all face-to-face, hybrid and online courses.

Degree Requirements: 33 credit hours including the required applied project course (OMT 593).

Students will work with a faculty advisor to design a plan of study tailored to their background and interests. It is expected that graduates of the program possess skills in research and the ability to apply these research skills in practice. To achieve this goal, each student is required to complete OMT 549 Research Techniques and Applications and OMT 593 Applied Project.

core course credit hours (9):

OMT 504 Law and Ethics for Technical Professionals (3)
OMT 520 Strategic Management of Technology (3)
OMT 549 Research Techniques and Applications (3)
additional concentration courses (restricted electives) credit hours (15)
elective course credit hours (6)*
culminating experience: OMT 593 Applied Project (3)
overall required credit hours (33)

*Select one to two elective courses (6 credit hours) from approved graduate offerings. Students may substitute up to six credit hours with approved courses from a global partner university, or as part of an approved global experience. Students may also select elective courses from other majors and other degree programs of ASU upon approval of your faculty advisor.

Admission Requirements:

In addition to the university requirements, the program admission requirements include:

- an appropriate technical, science or business baccalaureate degree from an accredited college or university
- a minimum of 30 credit hours in technology, science and mathematics or their equivalents, with a grade "C" or better in each course
- completion of an undergraduate college-level statistics and probability course with a grade of "B" or better
- completion of an undergraduate college-level technical writing and communications course with a grade "B" or better
- a minimum undergraduate grade point average of 3.00 on a 4.00 point scale for the last 60 credit hours of undergraduate study
- GRE test
- a letter of application
- a current resume
- three letters of recommendation, either academic or professional
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Industrial or business experience beyond completion of a baccalaureate degree is strongly recommended. Graduate work presupposes an adequate technical preparation in a selected technology at the undergraduate level. Undergraduate deficiencies for admission to the graduate program, if any, will be specified at the time of admission and tracked by the academic unit. The applicant's past work and professional experience will also be evaluated and taken into consideration in the admission decision.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Tech Innovation & Entrepr Mgmt
<http://innovation.asu.edu/degrees-programs/human-environmental-systems/global-technology-entrepreneurship-graduate>
TECH 101
technology@asu.edu
480-727-1874

Technology (Graphic Information Technology), MSTech (TSGIMSTECH)

Online Degree Search Title: Graphic Information Technology (MSTech)

Campus: ONLNE, POLY

Program Description:

The MSTech with a concentration in graphic information technology provides students with the opportunity to study in the various areas of the graphics industry. These areas include the following:

- commercial photography and technical imaging
- multimedia and video
- premedia, digital printing and publishing
- web design and development

The courses offered in this degree program provide students with a working knowledge of the technology and management required of the global cross media graphics industry. This program focuses on cross media publishing and graphic imaging and is not a traditional information technology, computer science, computer information systems or information systems management program. The addition of e-media channels such as the searchable Web, tablet, smart mobile cell, social media, digital print, etc., has created new opportunities in the global industry. Changes and developments in communications technology affect everyone in the value chain to include the following: publishers, designers, premedia houses, printers and Web and multimedia developers.

The degree program has two study options: ASU Online or Polytechnic campus. Either program can be done completely at a distance. It is recommended that applicants inquire about differences in the two campus options before applying. The applicant chooses the campus when completing the online Graduate Education application. The campus cannot be changed once selected.

Degree Requirements: 33 credit hours and a thesis, or 33 credit hours including the required applied project course (TMC 593 or GIT 593).

Students are required to complete a minimum of 33 credit hours of graduate course work. Of the total 33 hours, a minimum of 27 credit hours must be 500-level courses and part of the approved program. Additional courses may be assigned by the faculty supervisory committee, depending on the background of the candidate. The minimum degree requirements are as follows:

Applied Project Option

technical area of emphasis (18)

supporting area (9)

research methods course (3)

applied research project (3)

Thesis Option

technical area of emphasis (18)

supporting area (9)

thesis (6)

Most graduate degree students in this program elect to do an applied project rather than a thesis. The applied project generally allows the student to thoroughly explore a graphics related problem and demonstrate knowledge of the problem, solutions for the problem and suggestions for further explanation of the problem. Students in the ASU Online program must select the applied project option.

Courses within the various graphics areas are taught on a rotating basis. The most frequently offered courses are listed below. (598 designates university omnibus classes)

GIT 500 Research Methods (3)

GIT 537 Current Issues in Quality Assurance (3)

GIT 538 Personnel Development for the Graphics Industry (3)

GIT 540 Cross-Media Design Solutions (3)

GIT 542 Information Design and Usability (3)

GIT 584 Internship (3)

GIT 590 Reading and Conference (3)

GIT 598 Advanced Internet Programming (3)

GIT 598 Color Reproduction Systems (3)

GIT 598 Current Trends in Cross Media Research (3)

GIT 598 Digital Workflow in Graphic Industries (3)

GIT 598 Graphic Industry Business Practices (3)

GIT 598 Multimedia Authoring, Scripting and Production (3)

GIT 598 Web Management and E-Commerce (3)

GIT 598 Website Design and Internet/Web Technologies (3)

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Applied Science (Graphic Information Technology), BAS

Applied Science (Internet and Web Development), BAS

Graphic Information Technology, BS

Graphic Information Technology (Gaming), BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered until complete.

- an online Graduate Education application
- official transcript from each college or university attended
- an English proficiency exam for applicants whose native language is not English (regardless of where they may now reside)
- official GRE general exam scores
- statement of purpose (letter of application)
- current resume

Applicants may optionally submit two letters of recommendation.

International applicants can find complete information on the English proficiency exams and other required documents on the Graduate Education website: <http://graduate.asu.edu/admissions/international> (<http://graduate.asu.edu/admissions/international>).

For best consideration, the deadline is Feb. 1 for fall applications; Oct. 1 for spring applications; April 15 for summer applications. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

Admission to the graduate degree program presupposes an adequate technical preparation in a selected technology at the undergraduate level. The applicant's past work and professional experience are also evaluated and taken into consideration.

Undergraduate course work of admitted applicants to this program generally include precalculus and statistics. Deficiencies for admission to the graduate degree program, if any, are specified at the time of admission and must be completed within the first year of the graduate program while concurrently enrolled in graduate-level course work.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Engineering, Ira A. Fulton Schools of

Graphic Information Technology

<http://innovation.asu.edu/degrees-programs/human-environmental-systems/graphic-information-technology-graduate>

TECH 101

technology@asu.edu

480-727-1874

Technology (Integrated Electronic Systems), MSTEch (TSESMSTECH)

Online Degree Search Title: Integrated Electronic Systems (MSTECH)

Campus: POLY

Program Description:

The MSTEch with a concentration in integrated electronic systems provides students with graduate-level expertise in the processes and technology used to develop, design, manufacture and exploit integrated electronic functions on silicon, in packages and on boards. The program is flexible and permits students to develop a program of study, with faculty approval, to meet their individual career goals.

The program provides hands-on laboratory experience in integrated circuit device fabrication and manufacturing in a setting that emulates the real industry. The program provides students with an opportunity to conduct research either as a master's thesis or as an applied project. Students can develop special research and application skills directly related to individual needs and objectives in the field of microelectronics. Topics for thesis and project work include circuit applications; digital design; microelectronics and integrated electronic systems, including design and device processing and fabrication; silicon device packaging; board-level design; and application of integrated electronics functions.

Degree Requirements: 33 credit hours and a thesis, or 33 credit hours including the required applied project course (EST 593).

Thesis Option

concentration (15-16)

supporting area (8-9)

research methods courses:

EST 500 Research/Writing (2)

EST 591 Graduate Seminar (1)

EST 599 Thesis (6)

A minimum of 20 credit hours must be 500-level courses. At least nine hours of 500-level course work must be included in the technical concentration. Students may take up to six credit hours of 400-level course work to broaden their technical knowledge within the concentration or supporting area. Students are required to complete six hours of EST 599 Thesis, write a thesis and hold an oral defense. All course work applied toward the minimum 33 credit hour total must be at the 400 and 500 levels.

Nonthesis Option

concentration (15-18)

supporting area (9-12)

research methods courses:

EST 500 Research/Writing (2)

EST 591 Graduate Seminar (1)

EST 593 Project (3)

At least nine hours of 500-level course work must be included in the technical concentration. A maximum of three credit hours of EST 593 Applied

Project may be applied toward the 20-credit-hour, 500-level minimum. Additional background deficiency hours may be required. All course work outside Engineering Programs must be preapproved by the department chair.

A final oral defense of the applied project is required. A copy of the applied project report or thesis must be submitted before the candidate is eligible for this examination.

Admission Requirements:

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered until complete.

- an online Graduate Education application
- official transcript from each college or university attended
- an English proficiency exam for applicants whose native language is not English
- official GRE general exam scores
- statement of purpose
- current resume
- optional) three letters of recommendation

Note: A bachelor's that includes a minimum of 30 credit hours or equivalent in a technology area including course work applicable to the concentration being sought, and a minimum of 16 credit hours of mathematics and science is required.

International applicants can find complete information on the English proficiency exams and other required documents on the Graduate Education website: <http://graduate.asu.edu/admissions/international> (<http://graduate.asu.edu/admissions/international>).

For best consideration, the deadline is Feb. 1 for fall applications; Oct. 1 for spring applications. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

Undergraduate deficiency courses must be completed within the first year of the graduate program while concurrently enrolled in graduate-level course work.

Students must fulfill requirements of both Graduate Education and the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Engineering Programs
<https://innovation.asu.edu>
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Technology (Management of Technology), MS^{Tech} (TSMRMSTECH)

Online Degree Search Title: Management of Technology (MS^{Tech})

Campus: POLY

Program Description:

The MS^{Tech} with a concentration in management of technology prepares students for leadership roles as technically proficient professionals in technology-driven organizations, whether private or public. Students are prepared to successfully transition into leadership positions in their field of expertise and to move into a general leadership role outside their area of technical expertise as their careers grow.

This degree program is open to individuals with a technical undergraduate degree who wish to develop their leadership and management skills to complement their technical expertise. The curriculum is tailored to the needs of the student, ensuring each student obtains basic leadership and management skills.

Degree Requirements: 33 credit hours and a thesis, or 33 credit hours including the required applied project course (TMC 593).

It is expected that graduates of the program possess skills in research and the ability to apply these research skills in practice. To achieve this goal, each student is required to complete OMT 549 Research Techniques and either TMC 593 Applied Project or TMC 599 Thesis.

Additionally, each student is required to select four courses (12 credit hours) from the following list:

- OMT 503 Marketing Management (3)
- OMT 504 Law and Ethics for Technical Professionals (3)
- OMT 540 International Management (3)
- OMT 548 Statistical Methods for Research (3)

OMT 550 Industrial Training and Development (3)
OMT 592 Research (1-3)
OMT 598 ST: Advanced Operations Topics (1-4)
OMT 598 ST: Advanced Quality Topics (1-4)
OMT 598 ST: Forecasting and Evolution of Technology (1-4)
OMT 598 ST: Simulation of Operations (1-3)
TMC 584 Internship (1-3)

Graduate courses from other majors may be selected with approval from the student's graduate advisory committee. These additional courses are selected to support the student's individual career goals and perceived needs. If selecting the thesis option, courses are chosen to support the student's research topic and research methods. To ensure that all courses taken will fit into the plan of study, all students are expected to discuss their tentative plan with their program advisors prior to registering for their first class and must have an approved plan of study on file by the completion of nine credit hours toward the degree.

Students without a statistics course at the undergraduate level will be required to complete an appropriate course during the first semester in the program. This course will be in addition to the other requirements for the degree. Additional courses may be required to fulfill deficiencies, based on a review of the applicant's transcripts. Please contact the department for more information.

Admission Requirements:

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered until complete.

- an online Graduate Education application
- official transcript from each college or university attended
- an English proficiency exam score for applicants whose native language is not English*
- official GRE general exam scores
- statement of purpose
- current resume
- three letters of recommendation

*International applicants can find complete information on the English proficiency exams and other required documents on the Graduate Education website: <http://graduate.asu.edu/admissions/international> (<http://graduate.asu.edu/admissions/international>). Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

For best consideration, the deadline is April 1 for fall applications; Oct. 1 for spring applications. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

Admission to the graduate degree program presupposes an adequate technical preparation in a selected technology at the undergraduate level. The applicant's past work and professional experience are also evaluated and taken into consideration. Industrial experience beyond completion of a bachelor's is strongly recommended.

Undergraduate course work of admitted applicants to this program generally include calculus, technical writing and statistics. Students without a statistics course at the undergraduate level will be assigned a statistics deficiency course. This course will be in addition to the other requirements for the degree. Additional courses may be required to fulfill deficiencies, based on a review of the applicant's transcripts. Deficiency courses must be completed within the first year of the graduate program while concurrently enrolled in graduate-level course work.

Students must fulfill both the requirements of Graduate Education and those of the Ira A. Fulton Schools of Engineering.

Contact Information:

Engineering, Ira A. Fulton Schools of
Tech Innovation & Entrepr Mgmt
<http://innovation.asu.edu/degrees-programs/human-environmental-systems/management-technology-graduate>
TECH 101
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Technology (Manufacturing Engineering Technology), MS^{Tech} (TSMFMSTECH)

Online Degree Search Title: Manufacturing Engineering Technology (MS^{Tech})

Campus: POLY

Program Description:

Manufacturing is in a period of dramatic transformation. Future manufacturing will involve a global supply network to enable innovation, design, and integration of products and services. At its core, manufacturing engineering is about creating and delivering products and services that have value to customers and society.

The MSTech with a concentration in manufacturing engineering technology provides students with graduate level expertise in the technologies and processes integral to this transformation. The program is flexible and permits students to develop a program of study, with faculty approval, to meet their individual career goals. Students can select a technical focus in manufacturing processes, management or automation. The degree concentration is designed to provide graduates with technical and professional skills that will facilitate preparation for, and advancement in, leadership positions in industry, education, government and military. Laboratories and classrooms are well equipped, and the faculty members teaching the classes have relevant teaching, research, industry, and training experience and background.

Entry into the program requires that the student have a sound technical undergraduate degree, but not necessarily in manufacturing engineering.

Research Activity

The program provides students with an opportunity to conduct research either as a master's thesis or as an applied project. Program faculty are engaged in theoretical and applied research projects, involving undergraduate and graduate students in manufacturing related projects. Graduate students employed in local industry are encouraged to develop research topics that address problems of interest to their employers. Current research interests of the faculty include:

- machinability and manufacturing processes
- manufacturing
- manufacturing cost economics
- modeling and simulation

Theses and applied projects are supported by a number of well-equipped laboratories and facilities:

- automation laboratory
- composite materials laboratory
- computer numerical control machining center laboratory
- computer-aided design and computer-aided manufacturing laboratory
- energy conversion and combustion laboratory
- welding and casting laboratory

Degree Requirements: 33 credit hours and a thesis, or 33 credit hours including the required applied project course (MET 593).

All course work applied toward the minimum 33-credit-hour total must be at the 400 level or higher with a grade of "B" (3.00) or higher. A maximum of six credit hours of 400-level course work may be included in the student's plan of study. An oral defense of the written applied or research project (thesis) is required as the final examination in either option. This defense is typically done during the last semester of study. All course work outside the Engineering Programs must be preapproved and on the plan of study.

Thesis Option

In the thesis option, a minimum of 27 credit hours must be 500-level courses, allowing students to take up to six credit hours of 400-level course work to broaden their technical knowledge within the technical concentration or a supporting area. The course work may be a combination of manufacturing, mechanical or aeronautical engineering technology courses, or a limited number from outside the department. Students are required to complete six credit hours of MET 599 Thesis, write a thesis and present an oral defense.

Thesis Option

technical concentration area (18)

supporting area (6)

research methods courses: EST 500 Research Writing (2)

EST 591 Research Seminar (1)

MET 599 Thesis (6)

Applied Project Option

In the applied project option, a minimum of 27 credit hours must be 500-level courses, allowing students to take up to six credit hours of 400-level course work to broaden their technical knowledge within the technical concentration or a supporting area. The course work may be a combination of manufacturing, mechanical or aeronautical engineering technology courses or a limited number from outside the department. The applied project requires a supporting report; the project and report are defended in a final oral examination.

Applied Project Option

technical concentration area (18)

supporting area (9)

research methods courses: EST 500 Research Writing (2)

EST 591 Research Seminar (1)

MET 593 Applied Project (3)

Admission Requirements:

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered until complete.

- an online Graduate Education application
- official transcript from each college or university attended
- an English proficiency exam for applicants whose native language is not English
- official GRE general exam scores
- statement of purpose
- current resume
- optional) three letters of recommendation

Note: A bachelor's that includes a minimum of 30 credit hours or equivalent in a technology area including course work applicable to the concentration being sought, and a minimum of 16 credit hours of mathematics and science is required.

International applicants can find complete information on the English proficiency exams and other required documents on the Graduate Education website: <http://graduate.asu.edu/admissions/international> (<http://graduate.asu.edu/admissions/international>).

For best consideration, the deadline is Feb. 1 for fall applications; Oct. 1 for spring applications. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

Undergraduate deficiency courses must be completed within the first year of the graduate program while concurrently enrolled in graduate-level course work.

Contact Information:

Engineering, Ira A. Fulton Schools of
Engineering Programs
<https://innovation.asu.edu>
TECH 101
technology@asu.edu
480-727-1874

Technology (Mechanical Engineering Technology), MStech (TSMHMSTECH)

Online Degree Search Title: Mechanical Engineering Technology (MStech)

Campus: POLY

Program Description:

The MStech with a concentration in mechanical engineering technology provides students with graduate level expertise in the technologies and processes integral to the design and implementation of mechanical systems, in both high-tech engineering settings such as automotive and aeronautics, as well as in settings that address problems in the developing world. The program is flexible and permits students to develop a program of study, with faculty approval, to meet their individual career goals. Students can select from the following focus areas: aeronautical, engineering for the developing world, automotive and automation.

The degree concentration is designed to provide graduates with technical and professional skills that will facilitate preparation for, and advancement in, leadership positions in industry, education, government and military. Laboratories and classrooms are well equipped, and the faculty members teaching the classes have relevant teaching, research, industry, and training experience and background.

Degree Requirements: 33 credit hours and a thesis, or 33 credit hours including the required applied project course (MET 593).

All course work applied toward the minimum 33-credit-hour total must be at the 400 level or higher with a grade of "B" (3.00) or higher. A maximum of six credit hours of 400-level course work may be included on the student's plan of study. An oral defense of the written applied or research project (thesis) is required as the final examination in either option. This defense is typically done during the last semester of study. All course work outside the Engineering Programs must be preapproved and on the plan of study.

Thesis Option

In the thesis option, a minimum of 27 credit hours must be 500-level courses, allowing students to take up to six credit hours of 400-level course work to broaden their technical knowledge within the technical concentration or the supporting area. The course work may be a combination of manufacturing, mechanical or aeronautical engineering technology courses or a limited number from outside the department. Students are required to complete six credit hours of MET 599 Thesis, write a thesis and present an oral defense.

Thesis Option

technical concentration area (18)

supporting area (6)
research methods courses: EST 500 Research Writing (2)
EST 591 Research Seminar (1)
MET 599 Thesis (6)
Applied Project Option

In the applied project option, a minimum of 27 credit hours must be 500-level courses, allowing students to take up to six credit hours of 400-level course work to broaden their technical knowledge within the technical concentration or the supporting area. The course work may be a combination of manufacturing, mechanical or aeronautical engineering technology courses, or a limited number from outside the department. The applied project requires a supporting report; the project and report are defended in a final oral examination.

Applied Project Option
technical concentration area (18)
supporting area (9)
research methods courses: EST 500 Research Writing (2)
EST 591 Research Seminar (1)
MET 593 Applied Project (3)

Admission Requirements:

Applicants must submit all the items below to complete an application file. Incomplete files will not be reviewed or considered until complete.

- an online Graduate Education application
- official transcript from each college or university attended
- an English proficiency exam for applicants whose native language is not English
- official GRE general exam scores
- statement of purpose
- current resume
- three letters of recommendation (optional)

Note: A bachelor's that includes a minimum of 30 credit hours or equivalent in a technology area including course work applicable to the concentration being sought, and a minimum of 16 credit hours of mathematics and science is required.

International applicants can find complete information on the English proficiency exams and other required documents on the Graduate Education website: <http://graduate.asu.edu/international> (<http://graduate.asu.edu/international>).

For best consideration, the deadline is Feb. 1 for fall applications; Oct. 1 for spring applications. Late applications may still be considered for the same application term or for the next term of admission; however, the department reserves the right to deny or not review a late application.

Undergraduate deficiency courses must be completed within the first year of the graduate program while concurrently enrolled in graduate-level course work.

Contact Information:

Engineering, Ira A. Fulton Schools of
Engineering Programs
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TECH 101
technology@asu.edu
480-727-1874

Health Solutions, College of

Audiology, AudD (LAAUDAUDD)

Online Degree Search Title: Audiology (AuD)

Campus: TEMPE

Program Description:

The AuD program is designed to prepare audiologists for autonomous clinical practice. The clinical doctorate model at ASU stresses the integration of academic classroom learning and practical experience across a broad spectrum of clinical specialties and practice environments.

Degree Requirements: 95 credit hours and a written comprehensive exam.

The program is designed for full-time students over a period of 45 months, including four fall and four spring semesters and three summers. The four-year course of study includes academic and clinical practicum components and requires a minimum of 95 credit hours, of which 63 are required academic credits provided through the Department of Speech and Hearing Science and 32 are required clinical credits.

Eligibility for graduation is based upon the following:

- achieving a passing score on the American Speech-Language-Hearing Association Praxis national certification examination in audiology
- successful completion of 63 credit hours of required academic course work
- successful completion of 32 credit hours of clinical experiences

Admission Requirements:

All applicants must submit a Graduate Education online application and have a cumulative GPA of 3.00 or higher. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill the requirements of Graduate Education and those of the College of Health Solutions.

An applicant to the doctoral program must hold a bachelor's in speech and hearing science or another discipline. Applicants with undergraduate degrees in related fields such as nursing, education, any of the biological sciences, etc. may apply, although they are admitted as leveling students and must complete at least one year of prerequisite courses in speech and hearing science at the undergraduate level.

Applicants must submit:

- a 200-word statement of intent containing evidence of proficiency in written communication
- GRE scores
- official transcripts
- three letters of recommendation

All application materials must be submitted to Graduate Education by Jan. 15. Enrollment begins in the fall semester only.

Contact Information:

Health Solutions, College of
Department of Speech and Hearing Science
<https://shs.asu.edu>
COOR 2211
shsgrad@asu.edu
480-965-2374

Behavioral Health, DBH (LSBEVHEDBH)

Online Degree Search Title: Behavioral Health (DBH)

Campus: ONLNE

Program Description:

The DBH is an innovative new interdisciplinary, applied clinical doctorate designed to upgrade master's level professionals to become experts in the emerging new field of integrated behavioral care. Integrated care is the holistic treatment of both medical and behavioral conditions that are so common in primary care and other medical settings but often undetected and untreated. The results are poor clinical outcomes and increased medical costs related to overuse of medical services.

A key recommendation in health care reform is improved integration of medical and behavioral care in order to both improve health outcomes and decrease health care costs. The doctoral curriculum is explicitly focused on graduating experts who can speak both the language of evidence-based clinical interventions as well as cost savings and return on investment analyses that will be in high demand in new models of accountable care delivery. Traditional doctoral training does not prepare clinicians or managers with the interdisciplinary knowledge required to meet these new demands in the health care marketplace. This program reflects a paradigm shift to a curriculum based on:

- business entrepreneurship skills, such as writing a business plan, marketing and return on investment specific to health care
- evidence-based behavioral interventions for primary care that are efficient and contribute to cost savings by reducing unnecessary medical care services and costs
- health care systems policies, economics and finance that respond to emerging opportunities in health care reform
- medical literacy, to understand common medical conditions seen in primary care and consult effectively with the medical team

The curriculum is unique in that it:

- incorporates internship experience in primary care or similar medical settings
- integrates clinical and professional affiliated faculty as well as faculty associates who are experts and are directly employed in health care environments in the area that they are teaching

- is a flexible, online degree program that enables students to select a program of study ranging from part-time to full-time attendance
- is available through ASU Online as a distance-learning program
- offers a residential conference every fall and spring for students to meet with faculty, national leaders and their peers
- offers either a clinical track for licensed clinicians or a management track for health care managers and leaders
- replaces the dissertation with a culminating research project that combines an applied research study with a business plan

Internship experiences are arranged with local site liaisons and students meet in small groups with a doctoral consultant who leads case reviews and studies. Rural health and experiences with disadvantaged and multicultural populations are encouraged. Graduates of the program will contribute to a societal transformation by leading to improved access to behavioral care, integration of a behavioral provider on the medical team, improved patient outcome and satisfaction, and decreased cost of care.

Degree Requirements: 84 credit hours including the required applied project course (IBC 793).

core course requirements (27)

elective courses (18)

internship and culminating experience (9)

previously awarded master's degree or other courses approved by the supervisory committee (30)

Admission Requirements:

All applicants must submit a Graduate Education application.

Applicants must possess a bachelor's degree and a master's degree from a regionally accredited postsecondary institution in the U.S. or an equivalent degree from a recognized international postsecondary institution.

Applicants must have a minimum of a 3.00 GPA calculated on the last 60 credit hours of their first bachelor's degree.

All applicants whose native language is not English (regardless of where they may now reside) must meet university and degree program English proficiency requirements.

Students must fulfill both the requirements of Graduate Education and the College of Health Solutions.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.
(<http://asuonline.asu.edu/degree-programs/graduate/doctor-behavioral-health>)

Contact Information:

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/dbh>

NHI 1

dbh@asu.edu

602-496-1354

Biomedical Diagnostics, MS (NHBMDMS)

Online Degree Search Title: Biomedical Diagnostics (MS)

Campus: DTPHX, TEMPE

Program Description:

The MS in biomedical diagnostics will be a 30 credit degree program taught by faculty at ASU in collaboration with Dublin City University and Ventana Medical Systems. The program will employ a blended learning approach adopting online and face-to-face elements. The culminating experience for this program is an applied project that will include industry partnerships, as well as experiences at both ASU and DCU. The degree will cover four central areas related to the diagnostics field within the program: the technology, the science, the business and the application of diagnostics.

Degree Requirements: 30 credit hours including an applied project (BMD 593).

core course credit hours (15)*

elective credit hours (9)*

research (3)

culminating experience: BMD 593 Applied Project (3)

overall required credit hours (30)

*Please note that students will take one or more of their courses through Dublin City University and will request to transfer that course work into ASU as part of their degree program.

Admission Requirements:

Degree(s): A minimum of a bachelor's or master's degree in one of the following fields, or a closely related field from a regionally accredited college or university is required: biomedical informatics, biology, life sciences, chemistry, biochemistry, engineering, biomedical engineering, business, computer science, supply chain management, health sciences and medical studies.

GPA: A minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's first bachelor's degree program is required. A minimum of 3.00 cumulative GPA (scale is 4.00 = A) in the applicable master's degree is required.

English Proficiency Requirement for International Applicants: The English proficiency requirements are the same as the Graduate Education requirement. (see Graduate Education requirement http://graduate.asu.edu/admissions/international/english_proficiency (http://graduate.asu.edu/admissions/international/english_proficiency)) Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Required Admission Examinations: None required

Letters of Recommendation: Yes

Students must fulfill the requirements of both Graduate Education and those of the College of Health Solutions.

Contact Information:

Health Solutions, College of
Biomedical Informatics Program
<https://chs.asu.edu/isbd>
Johnson Research Bldg, Mayo Clinic, Room 208
isbd@asu.edu
480-884-0220

Biomedical Informatics, MS (ESBIOINFMS)

Online Degree Search Title: Biomedical Informatics (MS)

Campus: DTPHX

Program Description:

The MS in biomedical informatics is designed to meet the rapidly growing need for professionals with preparation that integrates technological expertise in informatics, computer sciences, biosciences and mathematical statistics with a knowledge of the clinical environment in the health care professions.

The program features a sequence of courses specifically designed to bring together clinicians and researchers in teams, applying new developments in informatics theory to clinical practice. This program is supported by a broad set of collaborators including Banner Health, Barrow Neurological Institute, Mayo Clinic-Phoenix Program and The University of Arizona College of Medicine. This approach makes the master's in biomedical informatics program at ASU distinctive, if not unique, among biomedical informatics programs in the United States. Students will take courses in such areas as public health, clinical environments, bioinformatics and statistics.

Students in the master's and PhD programs split course work between ASU's Tempe campus and Mayo Clinic, Scottsdale campus. Shuttle service is complimentary and provided several times daily between Tempe and Scottsdale locations.

Degree Requirements: 32 credit hours, a written comprehensive exam and including the required capstone course (BMI 592).

Due to the diverse academic backgrounds of students requesting admission into this program, many will find it necessary to take some course work in preparation. However, all students will take 32 credit hours of graduate-level course work, including 17 hours of mandatory course work as outlined below:

BMI 501 Introduction to Biomedical Informatics (3)

BMI 502 Foundations of Biomedical Informatics Methods I (3)

BMI 504 Introduction to Clinical Environments (3)

BMI 505 Foundations of Biomedical Informatics Methods II (3)

BMI 540 Problem Solving in Biomedical Informatics (3)

BMI 570 Symposium (2)

The remaining hours include nine hours of elective course work and six hours of research credit to be applied to the completion of a scientific paper.

Admission Requirements:

Students interested in applying to this program must submit an online application to Graduate Education.

Applicants should have earned a bachelor's degree in biology, computer science, engineering, nursing or statistics. Applicants who have earned degrees in other unrelated fields with appropriate academic backgrounds will also be considered. However, all applicants must have basic competencies in college-level calculus (similar to MAT 270), general biology (similar to BIO 188) or physiology, statistics (similar to STP 226) and basic computer programming (similar to CSE 100 or 110).

The applicant's undergraduate GPA, statement of purpose and depth of preparation in their field are the primary factors affecting admission. Every applicant must submit scores for the GRE or any other graduate-level entry examination.

Applicants whose native language is not English (regardless of where they may now reside) must also submit Test of English as a Foreign Language (TOEFL) scores.

Students must fulfill the requirements of Graduate Education and the College of Health Solutions.

Contact Information:

Health Solutions, College of
Biomedical Informatics Program

<http://bmi.asu.edu>

Johnson Research Bldg., Mayo Clinic, Room 208

bmi@asu.edu

480-884-0220

Biomedical Informatics, PHD (ESBMIPHD)

Online Degree Search Title: Biomedical Informatics (PHD)

Campus: DTPHX

Program Description:

The biomedical informatics faculty offer a graduate program leading to the PhD in biomedical informatics. The core program features courses specifically designed to bring together clinicians, biological scientists and informatics researchers to apply new developments in informatics theory to clinical or biological practice.

Additional concentration course work in an area of focus and emphasis on independent research are intended to place these students at the leading edge of the field. Strong collaborative relationships with a variety of health care organizations, the bioscience industry and governmental agencies provide an unparalleled opportunity for doctoral students to explore and contribute to advances in bioinformatics and informatics related to imaging, clinical medicine and public health. Students may explore special foci on cross-cutting areas, such as data mining, predictive modeling and simulation.

Students in the MS and doctorate programs split course work between ASU's Tempe campus and Mayo Clinic, Scottsdale campus. Shuttle service is complimentary and provided several times daily between Tempe and Scottsdale locations.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Due to the diverse academic backgrounds of students requesting admission into this program, many will find it necessary to take some course work in preparation. However, all students will take a 84 credit hours of approved graduate-level course work, including 22 credit hours of mandatory courses listed below:

BMI 501 Introduction to Biomedical Informatics (3)

BMI 502 Foundations of Biomedical Informatics Methods I (3)

BMI 504 Introduction to Clinical Environments (3)

BMI 505 Foundations of Biomedical Informatics Methods II (3)

BMI 515 Advanced Biostatistical Methods (3)

BMI 540 Problem Solving in Biomedical Informatics (3)

BMI 560 Teaching in Biomedical Informatics (2)

BMI 570 Symposium (2)

Admission Requirements:

Applicants must submit an online Graduate Education application.

An applicant should have earned a bachelor's in biology, computer science, engineering or statistics or be trained as a post-bachelor's health professional in medicine, nursing or pharmacy. Those who have earned degrees in other unrelated fields with appropriate academic backgrounds will also be considered. However, all applicants must have basic competencies in anatomy and physiology, college calculus, computer programming, general biology and statistics.

The applicant's undergraduate GPA, statement of purpose and depth of preparation in their field are the primary factors affecting admission. Every applicant must submit:

- scores for the GRE (verbal, quantitative and analytical required; the subject test is optional) or any other graduate-level entry examination
- scores for the Test of English as a Foreign Language (TOEFL) for applicants whose native language is not English (regardless of where they may now reside)

Students must fulfill the requirements of Graduate Education and the College of Health Solutions.

Contact Information:

Health Solutions, College of
Biomedical Informatics Program
<http://bmi.asu.edu>
Johnson Research Bldg., Mayo Clinic, Room 208
bmi@asu.edu
480-884-0220

Clinical Exercise Physiology, MS (NHCEPMS)

Online Degree Search Title: Clinical Exercise Physiology

Campus: DTPHX

Program Description:

This degree is preparation for a career as a clinical exercise physiologist, who usually works in concert with medical professionals to guide exercise and rehabilitation programs for at-risk clients and clients with chronic diseases. The American College of Sports Medicine is the national association responsible for establishing guidelines and recommendations for exercise testing, prescription and evaluation of research for both healthy and chronic disease populations. The ACSM Registered Clinical Exercise Physiologist® (RCEP) certification is deemed "ACSM's most prestigious credential for clinical professionals with a master's degree who work with clients currently under the care of a physician for cardiovascular; pulmonary; metabolic; orthopedic or musculoskeletal; neuromuscular; and neoplastic immunological or hematological diseases." This degree will provide the knowledge, clinical experience and skills needed to prepare individuals for successful completion of the registration examination for the RCEP certification.

Degree Requirements: 36 credit hours and a written comprehensive exam.

Required Courses (24 hours):

EXW 501 Research Statistics (3)
EXW 542 Health Promotion (3)
EXW 536 Physiological Aspects of Physical Activity and Chronic Disease (3)
EXW 562 Functional Assessment and Exercise Prescription for Older Adults (3)
EXW 565 Cardiovascular & Pulmonary Physiology (3)
EXW 560 Cardiopulmonary Rehabilitation (3)
EXW 568 Management and Treatment of Chronic Disease for the Clinical Exercise Physiologist (3)
KIN 547 ECG Interpretation (3)

Elective Courses (2 hours):

EXW 591 Seminar (1 + 1) (2)

Research Courses (4 hours):

EXW 500 Research Methods (3)
EXW 592 Research (1)

Culminating Experience:

Written comprehensive exam

Other Requirements (6 hours):

EXW 584 Clinical Exercise Physiology Internship (6)

Total required credit hours: 36

Admission Requirements:

Degree: Minimum of a bachelor's or master's degree in exercise science, exercise physiology, kinesiology or a closely related field from a regionally accredited college or university.

GPA: Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of the student's first bachelor's degree program.

English Proficiency Requirement: The English proficiency requirements are the same as the Graduate Education requirement.

Foreign Language Exam: No

Required Admission Examination: GRE

Letters of Recommendation: Yes

All qualified applicants will be admitted providing they have completed and met all requirements for admission. Admission will not be limited to any target number of students unless enrollment exceeds the projected capacity of the program to provide an adequate, quality program. In the case of space limitations, applicants will be prioritized based on GRE scores, GPA, letters of reference and letter of intent for admission to the program.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<http://healthpromotion.asu.edu/>
NHI 2 Room 420
healthpromotion@asu.edu
602-496-0862

Communication Disorders, MS (LACOMDISMS)

Online Degree Search Title: Communication Disorders (MS)

Campus: TEMPE

Program Description:

The faculty in the Department of Speech and Hearing Science offer a program leading to the MS in communication disorders. Thesis and nonthesis degree options are available. The speech-language pathology program is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

Degree Requirements: 53 credit hours and a written comprehensive exam, or 53 credit hours, a thesis and a written comprehensive exam.

Thesis Option

Students wishing to pursue the thesis option must complete 53 credit hours of course work, six hours of which must be thesis credit and 14 credits of which must be practicum and internship. The thesis must meet requirements established by Graduate Education.

Nonthesis Option

Students choosing the nonthesis option must complete 53 credit hours of course work, 14 of which must be practicum and internship.

Final Examinations

For the master's thesis option, two final examinations are required:

- the American Speech-Language-Hearing Association (ASHA) Praxis national certification examination in speech-language pathology
- an oral defense of the thesis

For the master's nonthesis option, two final examinations are required:

- a department-administered comprehensive examination in speech-language pathology
- the ASHA Praxis national certification examination in speech-language pathology

Admission Requirements:

Students applying for admission to this program should submit to Graduate Education:

- an online Graduate Education application
- email addresses of three recommenders
- GRE scores
- a statement of professional and academic goals not to exceed 300 words
- undergraduate transcripts
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

All materials must be received by Jan. 15 for fall admission, which is the only term in which students may begin their program of study. Candidates who have undergraduate deficiencies may need to take required prerequisite courses.

Students must fulfill both the requirements of Graduate Education and the College of Health Solutions.

Contact Information:

Health Solutions, College of
Department of Speech and Hearing Science
<https://shs.asu.edu/>
COOR 2211
shsgrad@asu.edu
480-965-2374

Exercise and Wellness, MS (ECEXERMS)

Online Degree Search Title: Exercise and Wellness (MS)

Campus: DTPHX

Program Description:

This degree offers unique opportunities for those interested in becoming scholarly professionals and contributors to public health through the delivery of effective exercise and wellness programs to all segments of society. Professionals in education, counseling, commercial fitness and wellness, work site or corporate health promotion, and personal training or life coaching, who are interested in an advanced training in health promotion, exercise and physical activity promotion, fitness and conditioning or in exercise and chronic disease prevention should consider the program.

Degree Requirements: 36 credit hours and a thesis, or 36 credit hours and a written comprehensive exam.

All students must focus their plan of study in one of two areas: health promotion and physical activity or fitness and conditioning.

All students are admitted to the nonthesis option, but may apply to the thesis option. For students who stay with the nonthesis option, the comprehensive exam is the culminating experience. For students who elect the thesis option, the thesis is considered the final integrative experience of the degree. It involves conducting research that is guided by a recognized research paradigm (e.g., scientific, interpretive), producing a scholarly report of the process and results. The thesis option is a good choice for students who are interested in pursuing more advanced graduate study in the field.

The thesis option consists of:

core courses: (12)

EXW 501 Research Statistics (3)

EXW 536 Physiological Aspects of Physical Activity and Chronic Disease (3)

EXW 542 Health Promotion Theory (3)

NTR 500 Research Nutrition I (3)

restricted elective courses: (3)

EXW 591 Exercise and Wellness Seminar (1)

EXW 592 Research (2)

elective courses in focus area: (15)
EXW 534 Sports and Fitness Conditioning (3)
EXW 535 Advanced Exercise Assessment and Prescription (3)
EXW 538 Obesity, Exercise, and Health (3)
EXW 590 Reading and Conference (1-12)
EXW 592 Research (1-12)
EXW 598 Health Program Evaluation (3)
EXW 598 Public Health and Physical Activity (3)
EXW 598 Special Topics (1-4)
EXW 598 Theory of Strength Training (3)
EXW 635 Physical Activity and Aging (3)
EXW 642 Exercise Epidemiology (3)

thesis: EXW 599 Thesis (6)

The nonthesis option is an appropriate choice for those students who cannot devote full-time to their research endeavors or for students who are seeking to continue their education, advance their skill level as practitioners or advance their current careers.

The nonthesis option consists of:

core courses: (12)
EXW 501 Research Statistics (3)
EXW 536 Physiological Aspects of Physical Activity and Chronic Disease (3)
EXW 542 Health Promotion Theory (3)
NTR 500 Research Nutrition I (3)

restricted elective courses: (3)
EXW 591 Exercise and Wellness Seminar (1)
EXW 592 Research (2)

elective courses in focus area: (21)
EXW 534 Sports and Fitness Conditioning (3)
EXW 535 Advanced Exercise Assessment and Prescription (3)
EXW 538 Obesity, Exercise, and Health (3)
EXW 590 Reading and Conference (1-12)
EXW 592 Research (1-12)
EXW 598 Health Program Evaluation (3)
EXW 598 Public Health and Physical Activity (3)
EXW 598 Special Topics (1-4)
EXW 598 Theory of Strength Training (3)
EXW 635 Physical Activity and Aging (3)
EXW 642 Exercise Epidemiology (3)

written comprehensive exam: representing core courses and focus area

Admission Requirements:

Applicants must submit the Graduate Education online application.

In addition to meeting Graduate Education requirements, all applicants to the program are required to submit GRE scores.

Applicants whose native language is not English (regardless of where they may now reside) must also satisfy English proficiency requirements.

Students must fulfill the requirements of Graduate Education and the College of Health Solutions.

Admission to the master's program is based on a number of factors including undergraduate grade point average, GRE scores, three professional letters of recommendation and statement of career or research interests.

Applications are accepted for admission to the fall semester only, with first priority given to completed applications received by Jan. 15. Applications will continue to be reviewed as long as space is available. Students who do not have undergraduate credit for the basic courses required for a bachelor's in exercise and wellness (human anatomy or physiology, human nutrition, exercise physiology, health behavior change, exercise testing and exercise prescription) can be admitted with course deficiencies. However, it is recommended that these deficiencies be taken prior to or within the first year of graduate study. Undergraduate courses taken as deficiencies are not considered part of the graduate plan of study. An undergraduate course in statistics is strongly recommended.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<https://snhp.asu.edu/programs/exercise-wellness>
NHI2 406
healthpromotion@asu.edu
602-496-0862

Exercise and Wellness (Healthy Aging), MS (NHEXWHMS)

Online Degree Search Title: Exercise and Wellness (Healthy Aging)

Campus: DTPHX

Program Description:

The MS in exercise and wellness with a concentration in healthy aging prepares the graduate student in the delivery of physical activity programs to older adults. Course content includes: the theories of aging; impact of aging on functional capacity and motor abilities; the role of lifestyle behaviors on aging; physical activity assessment and programming for older adults; physical activity and nutritional influences on healthful aging; and an introduction to the health care system for older adults.

Degree Requirements: 36 credit hours and a thesis, or 36 credit hours and a written comprehensive exam, or 36 credit hours including a capstone course (EXW 597).

Core Courses (9 credit hours):

EXW 501 Research Statistics (3)
EXW 542 Health Promotion (3)
EXW 536 Physiological Aspects of Physical Activity and Chronic Disease (3)

Required Concentration Courses (15 credit hours):

EXW 540 Aging and Lifestyle Behaviors (3)

EXW 562 Functional Assessment and Exercise Prescription for Older Adults (3)

NTR 551 Advance Geriatric Nutrition (3)

HCD 531 Introduction to the Health Care System (3)

KIN 523 Motor Control and Aging (3) OR

EXW 635 Aging and Physical Activity (3)

Elective Courses (6 credit hours):

EXW 591 Seminar (2)

EXW 592 Research (1)

EXW 500 Research Methods (3)

Culminating Experience (6 credit hours):

EXW 584 Internship and a written comprehensive exam OR
EXW 597 Capstone project OR
EXW 599 Thesis

Total required credit hours: 36

Admission Requirements:

Degree: Students are expected to have the course work and undergraduate credit for the basic courses required for a BS degree in exercise and wellness. Students who do not have these course competencies can be admitted with deficiencies. Deficiencies are determined upon admission,
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and these courses must be completed usually by the end of the first year of study. These courses are not considered part of the graduate program of study. A graduate course may be substituted for a deficiency but will be evaluated on a case-by-case basis. First priority will be given to completed applications received by Jan. 15.

The following courses must be completed prior to or during the master's degree as deficiencies. The corresponding ASU course can be found in parentheses:

Exercise Physiology & Laboratory (EXW 315 Physiological Foundations of Movement)
Exercise Prescription (EXW 425 Exercise Prescription)

Exercise Testing & Laboratory (EXW 420 Exercise Testing)
Human Anatomy and Laboratory (BIO 201 Human Anatomy and Physiology I)
Human Nutrition (NTR 241 Human Nutrition)
Human Physiology and Laboratory (BIO 202 Human Anatomy and Physiology II)
Kinesiology & Laboratory (EXW 330 Kinesiological Foundations of Movement)

GPA: A minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's first bachelor's degree program is required. A minimum of 3.00 cumulative GPA (scale is 4.00 = A) in the applicable master's degree is required.

English Proficiency Requirement for International Applicants: Applicants whose native language is not English must submit a Test of English as a Foreign Language (TOEFL) score unless they meet the requirements for an exception.

Required Admission Examinations: The GRE score required is approximately the 50th percentile.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<https://snhp.asu.edu/>
NH12 420
healthpromotion@asu.edu
602-496-0862

Nutrition, MS (ECHNUTMS)

Online Degree Search Title: Nutrition (MS)

Campus: DTPHX

Program Description:

The MS program in human nutrition is based on the scientific foundations of nutrition, but it also prepares students with strong writing skills, computer literacy, interpretive expertise, problem-solving skills and research experiences. Students who have completed an accredited Didactic Program in Dietetics may also elect to apply to the ASU Dietetic Internship in order to meet the requirements to become a registered dietitian.

The primary objective of the graduate program in nutrition is to provide advanced training in nutrition research. Graduate students are expected to develop competencies in research methods and in advanced practice knowledge relevant to their area of study. The skills and knowledge acquired during the course of training should enable each student to develop professional competencies that can be applied to significant problems and issues within the field of nutrition and dietetics.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required Applied Project course (NTR 593).

The plan of study must contain approved graduate-level work and a thesis or applied project. The following courses are required:

Required Courses:

NTR 500 Research Methods I (3)
NTR 501 Research Methods II (3)

Required Concentration Courses:

Choose two graduate-level nutrition seminars from the following list; topics and availability vary by semester.

Current topics include:

NTR 523 Vegetarian Nutrition (3)
NTR 527 Policies, Environment and Obesity Prevention (3)
NTR 529 Pediatric Nutrition (3)

NTR 537 Evidenced-Based Nutrition (3)
NTR 598 Seminars (3)*

Electives (9)

Required Statistics Course:

Choose one course from the following list of approved courses:

EDP 552 Multi-regression and Correlation Methods (3)

EDP 554 Analysis-of-Variance Methods (3)

EXW 501 Research Statistics (3)

PSY 529 Correlation and Psychometric Theory (3)

PSY 530 Intermediate Statistics (3)

STP 530 Applied Regression Analysis (3)

STP 531 Applied Analysis of Variance (3)

STP 532 Applied Nonparametric Statistics (3)

STP 533 Applied Multivariate Analysis (3)

or other approved course

NTR 599 Thesis (6) or NTR 593 Applied Project (6)

*NTR 598 Seminars reflect the changing nature of research and cover different subject areas each semester. Recent seminars include global nutrition, public health, functional foods and sports nutrition.

Admission Requirements:

Applicants must submit a Graduate Education online application.

Prerequisites for admission into the program are:

- anatomy and physiology I and II with labs (such as BIO 201 and 202 at ASU)
- biochemistry (one semester only is required, such as BCH 361 at ASU)
- general chemistry with lab (such as CHM 101 or CHM 113 plus CHM 116 at ASU)
- general nutrition for majors (such as NTR 241 at ASU)
- microbiology with lab (such as MIC 205 and MIC 206 at ASU)
- organic chemistry with lab (one semester only is required, such as CHM 231 and CHM 235 lab at ASU)
- statistics (any statistics course)

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill the requirements of Graduate Education and the College of Health Solutions.

No interview is required.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<https://snhp.asu.edu/programs/nutrition>
NHI2 406
healthpromotion@asu.edu
602-496-0869

Nutrition (Dietetics), MS (ECNTRDMS)

Online Degree Search Title: Nutrition (Dietetics) MS

Campus: DTPHX, ONLNE

Program Description:

The dietetics concentration under the MS in nutrition is a nonthesis option designed specifically for Registered Dietitians seeking to continue their education, advance their skills as practitioners and achieve their career goals. To facilitate the matriculation of working professionals, some courses are offered online and others are offered one evening per week in person. Students will have the option of enrolling part-time or full-time.

The dietetics concentration under the master's in nutrition requires applicants to have one year, full-time experience as an RD; however, prospective students will not have to be employed at the time of application to the program, nor will students have to be employed to maintain good standing in the program.

Degree Requirements: 30 credit hours including the required applied project course (NTR 593).

Required Courses:

NTR 500 Research Methods I (3)

NTR 501 Research Methods II (3)

Required Concentration Courses:

Choose two graduate-level nutrition seminars from the following list; topics and availability vary by semester.

Current topics include:

NTR 523 Vegetarian Nutrition (3)

NTR 527 Policies, Environment and Obesity Prevention (3)

NTR 529 Pediatric Nutrition (3)

NTR 537 Evidenced-Based Nutrition (3)

NTR 598 Seminars (3)*

Electives (9)

Required Statistics Course:

choose one course from the following list of approved courses:

EDP 552 Multi-regression and Correlation Methods (3)

EDP 554 Analysis-of-Variance Methods (3)

EXW 501 Research Statistics (3)

PSY 529 Correlation and Psychometric Theory (3)

PSY 530 Intermediate Statistics (3)

STP 530 Applied Regression Analysis (3)

STP 531 Applied Analysis of Variance (3)

STP 532 Applied Nonparametric Statistics (3)

STP 533 Applied Multivariate Analysis (3)

or other approved course (3-6 credits)

Applied Project:

NTR 593 Applied Project (6)

*NTR 598 Seminars reflect the changing nature of research and cover different subject areas each semester. Recent seminars include global nutrition, public health, functional foods and sports nutrition.

Admission Requirements:

Prospective students must apply online to Graduate Education. Applicants must also satisfy the following admission requirements:

- a minimum of 2,080 hours (equivalent to one year full-time) of work experience in dietetics or a closely related discipline since becoming an RD
- adequate academic preparation
- current RD credential verification by the Commission on Dietetic Registration
- favorable letters of recommendation
- personal or phone interview
- satisfactory and competitive GPA
- proof of English proficiency*

*Applicants whose native language is not English (regardless of current residency) must provide proof of English proficiency.

Students must fulfill the requirements of Graduate Education and the College of Health Solutions.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Health Solutions, College of

School of Nutrition and Health Promotion

<https://snhp.asu.edu/programs/nutrition>

NHI2 406

healthpromotion@asu.edu

Obesity Prevention and Management, MS (NHOB SMS)

Online Degree Search Title: Obesity Prevention and Management

Campus: DTPHX

Program Description:

The MS in obesity prevention and management is an innovative, interdisciplinary degree that draws on a wide array of expertise at ASU to integrate perspectives from the social, applied, life, and health sciences and provides advanced graduate-level problem-focused experiential training that is grounded in evidence and best practices for effective prevention and management of obesity. This degree is geared towards postbaccalaureate students and professionals who wish to advance their understanding of social, cultural, environmental, health and psychological issues associated with obesity. The program emphasizes the complex etiology of obesity and includes courses that will enhance students' ability to work with individuals and populations at risk of obesity to develop effective strategies for prevention and management of the condition across the lifespan.

Degree Requirements: 30 credit hours including an applied project (OBS 593).

Core Course (3 credits)

OBS 501 Obesity Prevention and Management: An Introduction (3)

Electives (21 credits)

Students will select one course each from a list of options provided for the following categories:

- concepts in behavior change (3 credits)
- research methods (3 credits)
- statistics (3 credits)

Additional course selection will depend upon student's chosen track. Students will select six credits from prescribed categories for each track and six credits from other categories listed below.

Tracks:

- cultural aspects of behavior change
- general track
- public health approaches for behavior change
- technological approaches for behavior change

Culminating Experience (6 credits)

Applied project (6)

Admission Requirements:

Degree: Minimum of a bachelor's degree (or equivalent) or a graduate degree in social or health science related fields from a regionally accredited college or university of recognized standing. The following entry-level competencies are needed for admission to the program: students should have completed undergraduate level courses in statistics and psychology and ideally have completed one or more courses in nutrition, physiology and chemistry.

GPA: A minimum of a 3.00 cumulative GPA (scale is 4.00= A) or better is required in the last two years of work leading to a bachelor's degree. Applicants should be competitive in the applicant pool as evidenced by GRE verbal, quantitative, and analytical scores, as well as the statement of educational and career goals, and the letters of recommendation.

English Proficiency Requirement for International Applicants: The English proficiency requirements are the same as the Graduate Education requirement. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Foreign Language Examination(s): No

Required Admission Examinations: GRE

Letters of Recommendation: Yes

Writing sample: A two- to three page application letter is required, in which the applicants explain why they want to pursue this degree and why they feel well prepared to succeed in this graduate program.

Students must fulfill both the requirements of Graduate Education and those of the College of Health Solutions.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<https://snhp.asu.edu/>
NHI 2
Susan.Callahan@asu.edu
602-496-0869

Physical Activity, Nutrition and Wellness, PHD (ECNUTRIPHD)

Online Degree Search Title: Physical Activity, Nutrition, and Wellness (PhD)

Campus: DTPHX

Program Description:

The graduate faculty mentors of the School of Nutrition and Health Promotion offer an interdisciplinary graduate program leading to the PhD in physical activity, nutrition and wellness. The doctoral degree in physical activity, nutrition and wellness integrates graduate courses from several academic units.

Students are challenged to integrate information to focus on issues that contribute to health through chronic disease risk reduction, quality of life promotion, and enhancement of well-being. One unique feature of this program is that it integrates exercise and nutrition research with health promotion research using a problem-centered approach rather than a pure disciplinary approach. While many healthy lifestyles are studied, the emphasis is on physically active living and sound nutrition.

The degree prepares students for research in healthy lifestyles intended to reduce the physical, social and economic costs of poor nutrition and sedentary lifestyles. Students tailor a course of study in either nutrition and health or in physical activity and health, or they can select from a combination of the two programs. Graduates are prepared for careers in higher education, governmental agencies, and in health-related research positions in nonprofit organizations or in private industry.

The program requires residency and a minimum of three years of full-time study after the master's degree. Students will be actively involved in research at all stages of doctoral study through participation in directed research internships, independent research experiences, seminars or colloquia and dissertation research.

Degree Requirements: 97 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Credit requirements are distributed as follows:

previously awarded master's (30)

research core: statistics, research and applied research experiences (26)

cognate (12)

professional development/internship (5)

area of focus (12)

dissertation (12)

Examples of areas of focus include:

- chronic disease prevention
- energy balance
- epidemiology, surveillance, measurement
- lifespan, aging, special topics
- metabolism, physiology and health
- public and community health policy
- technology and health promotion

Courses in the focus or thematic area are determined by the student and supervisory committee. At least three but not more than nine credit hours in the focus area should be taken from a program outside the exercise and wellness or nutrition programs.

Admission Requirements:

Applicants must submit the Graduate Education online application.

In addition to meeting Graduate Education requirements, applicants must have successfully received a master's prior to admission to the program, and it is preferable that a data-based research thesis has been completed.

Applicants must include the following materials with the online application:

- GRE scores (verbal, quantitative and writing)
- letter of intent indicating research or scholarly interest, primary program area, statement of career goals and name of a potential faculty mentor from the list of approved faculty mentors
- professional resume
- three letters of recommendation
- teaching or research assistantship application
- Test of English as a Foreign Language (TOEFL) score*
- writing sample (six-10 pages)

*An applicant whose native language is not English, regardless of where they may now reside, must submit a TOEFL score unless the requirements for an exception have been met.

Prerequisite courses: Students may only be admitted if the following prerequisite undergraduate course topics or their equivalent have been completed prior to starting the program:

- exercise physiology
- human anatomy
- human nutrition
- human physiology
- upper-division nutrition

Students should also have completed a graduate-level statistics and research methods course.

It is expected that students admitted to the program will have a strong disciplinary foundation in physical activity and wellness, health promotion, exercise science or nutrition science. Individuals lacking background in these areas will be required to make up deficiencies before admission. Other requirements may be necessary depending on the area of study and will be determined by the mentor and executive committee.

Admission decisions are based on the compatibility of the applicant's research interests and career goals with the purpose of the degree program, previous academic training, GPA, GRE scores, recommendations, available funding and a match of research interests with available mentors.

It is expected that doctoral students will spend a minimum of three years in full-time residence. The intent is to involve and embed the student in ongoing research as well as class study. Thus, all doctoral students are to be full-time students and hold part-time appointments (20 hours per week) as teaching or research assistants. As such, to be accepted into the program, funding must be available and students must have the expertise, experience and willingness to teach courses or laboratories in the exercise and wellness or nutrition undergraduate curriculum or be a research assistant as funding allows.

Applications are accepted for admission to the fall semester only, with first priority given to completed applications received by Jan. 15.

Students must fulfill the requirements of Graduate Education and the College of Health Solutions.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<https://snhp.asu.edu/>
NHI2 410
interdisciplinaryphd@asu.edu
602-496-8038

Science of Health Care Delivery, MS (NHSCHDMS)

Online Degree Search Title: Science of Health Care Delivery

Campus: DTPHX, ONLNE

Program Description:

The MS in the science of health care delivery is designed to provide a foundation in the multidisciplinary field of health care delivery. This degree will provide students with knowledge and competencies to contribute in a patient-centered, safe and cost-effective health care system. The ASU degree is designed for individuals with an interest in a career in the health care industry. The program will focus on quality improvement systems in health care, health disparities and interventions, health education, health economics, health policy, interprofessional teamwork and leadership skills, change management, and evidence-based assessment and management. Much of the course work will utilize a case-based, solution-oriented approach to facilitate integration of knowledge and competencies. Participating students will work in a cohort through the program and will complete the degree in nine months (one academic year).

Degree Requirements: 30 credit hours including the required applied project course (HCD 550).

overall required credit hours (30)

core course credit hours (26)

culminating experience:

HCD 550 Capstone: Applied Project (4)

Admission Requirements:

A minimum of a bachelor's or master's degree from a regionally accredited college or university of recognized standing in a related field such as biology, chemistry, biochemistry, nursing, public health, pharmacy, biomedical informatics, social work, premed, prehealth, nutrition, health promotion and others is required.

A minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's first bachelor's degree program or a minimum of 3.00 cumulative GPA (scale is 4.00 = A) in the applicable master's degree is required.

Applicants whose native language is not English (regardless of where they now reside) must provide proof of English proficiency.

Students must fulfill requirements of both Graduate Education and the College of Health Solutions.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Health Solutions, College of

School for the Science of Health Care Delivery

<https://chs.asu.edu/shcd>

NH12 Fifth Floor College of Health Solutions

shcd@asu.edu

602-496-1941

Speech and Hearing Science, PHD (LAHEARPHD)

Online Degree Search Title: Speech and Hearing Science (PhD)

Campus: TEMPE

Program Description:

The PhD in speech and hearing science is designed to prepare scholars for careers of basic and applied research in educational, industrial or health care delivery environments. The student pursues a program with the unifying theme of human communication and its disorders.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

After a core curriculum, which may include aspects of neuroscience, methodology or speech and hearing science, the student completes a program of study under the guidance of the program committee. As part of the doctoral program, a programmatic research experience prepares the student for basic or applied research leading to the dissertation.

Admission Requirements:

Applicants typically have completed a master's or equivalent in speech and hearing science, psychology, linguistics or a related discipline.

Applicants with a bachelor's, strong research interests and a strong academic record are also considered.

All applicants must complete an online Graduate Education application.

Applicants must submit the following evidence for admission review:

- GRE scores, including the writing score, taken within the last five years

- online application for admission to Graduate Education
- official transcripts of undergraduate and graduate study
- professional references from three individuals who are familiar with the applicant's academic record
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Health Solutions.

Contact Information:

Health Solutions, College of
Department of Speech and Hearing Science
<https://shs.asu.edu/>
COOR 2211
shsgrad@asu.edu
480-965-2374

Interdisciplinary Arts & Sciences, New College of

Communication Studies, MA (ASCOMSTMA)

Online Degree Search Title: Communication Studies (MA)

Campus: WEST

Program Description:

The MA in communication studies prepares students for communication-intensive roles in such fields as:

- community relations
- employee communication
- grass-roots advocacy
- health communication
- human services
- media campaigns
- political communication
- public affairs
- technology-mediated communication systems

A substantive number of graduates pursue the PhD and careers in teaching and research.

Within the master's in communication studies, the notion of advocacy is explored. This is achieved by examining advocacy across the discipline's traditional classifications and within a variety of contexts. This approach allows faculty to journey with students to discover and attend to advocacy in new and unique ways, to collectively theorize and practice advocacy. People who come to our program join the faculty in this endeavor.

Advocacy occurs at the intersection of public and private lives, in the space where the two overlap and mutually inform one another, often in complex and challenging ways. It is here that we seek to uncover the ways in which symbols, messages, meanings and social action are constructed and arranged to establish, facilitate, enhance or detract from the social status, social support and identities of particular individuals and groups, especially the misrepresented, marginalized and othered. Although the faculty recognize fully that one can advocate on one's own behalf, the faculty believe the true work of advocacy involves advocating for a variety purposes - for self, for others, for causes, for organizations - and in a range of spaces and ways. Advocacy is about social action and engagement, publicly and privately. It involves working diligently and ethically to create spaces for a variety of voices and perspectives to be seen, heard, supported and represented. The advocate uses communication theory and practice to build and reclaim spaces for a variety of communities and individuals, and to consider and redress issues of power, knowledge, representation, exclusion, inclusion and access. Advocacy is a calling to the responsibility we have to engage for ourselves and others in a global age of shifting media technologies and power relations. The master's in communication studies seeks to provide those interested in advocacy the opportunity to develop the intellectual and conceptual skills necessary to follow that calling.

Degree Requirements: 36 credit hours and a written comprehensive exam, or 36 credit hours including an applied project (CMN 593) and a written comprehensive exam, or 36 credit hours, a written comprehensive exam and a thesis.

The degree consists of these courses:

CMN 502 Theory and Practice in Communication and Persuasion (3) or CMN 522 Argumentation and Advocacy (3)
CMN 505 Methods in Applied Communication Research (3)

CMN 506 Humanistic Inquiry and Field Research in Communication (3)

Electives (21)*

*At least 21 credit hours of electives are selected in consultation with the student's program advisor. When appropriate, students may take up to six credit hours outside the program.

Additional Requirements

CMN 502 or CMN 522, CMN 505, and CMN 506 must be completed with a grade of "B" (3.00) or higher. In addition, the student must earn a cumulative GPA of 3.00 or higher in all courses numbered 500 or above that appear on the transcript and all courses that appear on the program of study.

The determination of requirements for each student's program of study is the mutual responsibility of the student and advisor. Students are permitted to take comprehensive examinations only concurrent with, or subsequent to, completion of their 36th credit hour of course work.

Thesis or Applied Project

Qualified students can complete a thesis (6 credit hours) or applied project (3 credit hours) in addition to elective hours and examinations. The thesis or applied project must demonstrate intellectual, academic, and professional growth and ability. The thesis is supervised and approved by the student's advisor and committee. An oral defense is required for the thesis. The applied project is supervised by the student's advisor. Public presentation (e.g., a poster session or class presentation) is required for the applied project.

Descriptions of current program options and requirements are available from the communication studies program in FAB N301H.

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Communication, BA
- Communication, BS
- Political Science, BS
- Political Science, BA
- Psychology, BS
- Psychology, BA
- Social and Behavioral Sciences, BA
- Social and Behavioral Sciences, BS
- Sociology, BA
- Sociology, BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Applicants must submit an online Graduate Education application.

Admission to the program is competitive, based on an applicant's undergraduate scholarly activities, research abilities and professional experience. All applicants must submit the following:

- official transcripts of all undergraduate and graduate work
 - a 500-word personal statement indicating academic and professional goals and addressing how the program will aid in the achievement of those goals
 - three letters of recommendation, up to two of which may come from appropriate professional, nonacademic sources
 - a writing sample of scholarly work or an example of professional activities (i.e., technical reports, grants, creative campaign)
 - official GRE scores, if the undergraduate cumulative GPA is below 3.00 for the last 60 credit hours
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. These applicants must achieve a minimum test score of 550 paper-based, 213 computer-based or 80 Internet-based on the Test of English as a Foreign Language (TOEFL) or a minimum overall score of 6.5 on the International English Language Testing System (IELTS).

Students must fulfill both the requirements of Graduate Education and the New College of Interdisciplinary Arts and Sciences.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<https://newcollege.asu.edu/graduate/degrees/communication-studies-ma>

FAB S329D

Interdisciplinary Studies, MA (ASINTERMA)

Online Degree Search Title: Interdisciplinary Studies (MA)

Campus: WEST

Program Description:

The MA in interdisciplinary studies is an innovative and flexible degree program designed for students who wish to pursue a unique educational experience by combining the study of two or more disciplines. Founded on the conviction that solving problems and producing knowledge in the 21st century often requires the crossing of disciplinary boundaries, the program provides exposure to a variety of research methods, historical perspectives and modes of inquiry.

Prospective students include teachers who intend to increase and integrate their knowledge in specific content areas, professionals in the corporate and nonprofit sectors who wish to advance or redirect their careers, aspiring scholars and researchers who want to prepare for doctoral study, and other individuals who desire personal enrichment in the humanities and social sciences. Once admitted to the program, students may define their own area of emphasis or adopt an area such as:

- American studies
- assessment of integrative health modalities (see graduate certificate program <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/PPSWGGRCH/graduate/false> (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/PPSWGGRCH/graduate/false>))
- cultural studies
- digital media art
- English literature
- gender studies (see graduate certificate program <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LAWSTGRCT/graduate/false> (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LAWSTGRCT/graduate/false>))
- museum studies (see graduate certificate program <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LAMUSEUMCE/graduate/false> (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/LAMUSEUMCE/graduate/false>))
- nonprofit leadership and management (see graduate certificate program <https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/PPNONPROCE/graduate/false> (<https://webapp4.asu.edu/programs/t5/majorinfo/ASU00/PPNONPROCE/graduate/false>))
- philosophy, rhetoric and literature

The degree requires 30 credit hours of course work, including three core courses that prepare students for advanced interdisciplinary study. Working closely with a faculty advisor, students may select the remaining courses from graduate offerings across the New College of Interdisciplinary Arts and Sciences and other Arizona State University colleges and schools. The program culminates with a capstone experience that may result in a research paper or applied project.

Degree Requirements: 30 credit hours including the required capstone course (MAS 585).

Core Required Courses:

MAS 501 Methods for Interdisciplinary Inquiry (3)

MAS 502 Perspectives in Interdisciplinary Studies (3)

MAS 505 Theories of Change, Culture, and Mind (3)Area of Emphasis/Focus Area:

Working with a faculty mentor, students select 15 to 18 credit hours of graduate-level course work that reflect a particular area of specialty or interest.Elective:

Students can select three credit hours of a graduate-level elective in order to reach the required 30 credit hours for the degree program.Capstone Experience:

MAS 585 Capstone Course (3)

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- American Studies, BA
- Applied Science, BAS
- Communication, BS
- Communication, BA
- English, BA
- Ethnicity, Race and First Nations Studies, BA
- History, BA
- Interdisciplinary Arts and Performance, BA
- Interdisciplinary Arts and Sciences, BA
- Philosophy, Religion and Society, BA
- Political Science, BS

Political Science, BA
Psychology, BS
Psychology, BA
Social and Behavioral Sciences, BA
Social and Behavioral Sciences, BS
Sociology, BS
Sociology, BA
Women and Gender Studies, BA
Women and Gender Studies, BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Applicants must submit an online Graduate Education application.

Admission is granted on a competitive basis. To be admitted to the master's in interdisciplinary studies, candidates must have a four-year bachelor's degree from a regionally accredited institution or foreign equivalent and must submit the following:

- official transcripts of all undergraduate and graduate course work
- official GRE scores if undergraduate GPA is below 3.00
- a personal statement
- three letters of recommendation*
- writing sample
- resume
- proof of English proficiency**

*It is preferred that these letters come from faculty.

**Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students whose native language is not English must also achieve a minimum test score of 550 paper-based, 213 computer-based, 80 Internet-based on the Test of English as a Foreign Language (TOEFL), or a minimum overall score of 6.5 on the International English Language Testing System (IELTS).

Students must fulfill both the requirements of Graduate Education and the New College of Interdisciplinary Arts and Sciences.

Deadlines

Fall Semester

Priority: Feb. 15

Final: July 15

Spring Semester

Priority: Oct. 1

Final: Dec. 1

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/graduate/degrees/interdisciplinary-studies-ma>
FAB S329D
NC.GradStudies@asu.edu
602-543-6266

Psychology, MS (ASPGSMS)

Online Degree Search Title: Psychology (MS)

Campus: WEST

Program Description:

The MS in psychology program is a full-time, two-year, research-oriented program most appropriate for students who plan to continue on to a doctoral program or pursue research-related careers in business, government or nonprofit sectors. Students receive intensive training in advanced research methodology and statistical analysis and are offered a wide variety of elective graduate seminar courses in:

- abnormal psychology

- affective science
- behavior analysis
- cognitive psychology
- developmental psychology
- health psychology
- legal psychology
- psychophysiology
- social psychology
- stress and coping family psychology

Students in this program receive hands-on experience with:

- data collection and analysis
- experimental design
- grant proposal writing
- laboratory instrumentation
- manuscript development

All students are expected to participate in faculty-guided research, including the opportunity to present research at regional and national conferences, and participate as coauthors in conferences, published research reports or monographs. In addition, students will conclude their studies with an empirical thesis project or an applied research-based project.

Degree Requirements: 31 credit hours and a thesis, or 31 credit hours including the required applied project course (PSY 593).

Specific credit-hour requirements include:

- A seminar for all newly admitted students, that will address professional issues such as locating and applying for external funding, ethical issues in research and practice, and participation in professional organizations. All psychology faculty present their research and participate in the seminar. (1)
- Completion during the second year of the program of either a thesis or an applied research project. This work will be approved and overseen by the three-member (thesis) or the two-member (applied project) supervisory committee, as stipulated by Graduate Education policy. (6)
- Five elective content courses in which students acquire an understanding of current theoretical issues of psychology (e.g., abnormal psychology, affective science, behavior analysis, cognitive psychology, developmental psychology, health psychology, legal psychology, psychophysiology and social psychology) and become familiar with theoretical analysis and the current state of the field. (15)
- Independent research hours accrued in faculty laboratories or an applied research-based project in which students will receive hands-on experience in experimental design, laboratory instrumentation, data collection and analysis and manuscript development. Students take three or more credit hours. Research credit hours cannot substitute for elective content courses. (3 or more)
- Training in advanced research methods and statistics. (6)

Admission Requirements:

Applicants must submit an online Graduate Education application.

Applicants must meet Graduate Education admission requirements. All applications must include the following:

- bachelor's in psychology or a related field
- minimum cumulative GPA of 3.00 on a 4.00 scale
- completion of the GRE, with a recommended verbal plus quantitative score of 300
- successful completion of undergraduate psychology statistics and research methods courses (or their equivalent)
- three letters of recommendation from faculty; letters from faculty preferred but if not available then from individuals in supervisory or professional roles
- personal statement*
- proof of English proficiency**

*A personal statement no longer than three double-spaced pages must be submitted describing how the applicant would be a good fit for the program, including research interests and career plans. The statement should rank-order three faculty members with whom the applicant would be interested in working.

**Applicants whose native language is not English (regardless of where they may now reside) must also achieve a minimum test score of 550 paper-based, 213 computer-based or 80 Internet-based on the Test of English as a Foreign Language (TOEFL) or a minimum overall score of 6.5 on the International English Language Testing System (IELTS).

Students must fulfill both the requirements of Graduate Education and those of New College of Interdisciplinary Arts and Sciences.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/graduate/degrees/masters-in-psychology>
FAB S329D
NC.GradStudies@asu.edu
602-543-6266

Social Justice and Human Rights, MA (ASJHRMA)

Online Degree Search Title: Social Justice and Human Rights (MA)

Campus: WEST

Program Description:

The MA in social justice and human rights offers justice and human rights approaches to specific issues such as:

- education
- environment
- gender and sexuality
- health
- human trafficking
- migration
- work

These issues are approached in a context influenced by the intersections of gender, race, ethnicity, sexuality, location or nationality. The program provides a theoretically and methodologically rigorous program that will offer opportunities for skill specialization in research and in the management of advocacy-oriented organizations in the nongovernmental sector, domestically and transnationally. Students choose one of two tracks: social justice and human rights research or nongovernmental organization management.

The program is structured so current practitioners in NGOs and other nontraditional students are able to complete their degree requirements by spending two semesters on campus and completing the remainder of their degree requirements at their place of work in whatever location or country that may be. The remaining course work can be completed via a summer internship and a semester off campus, to complete the capstone experience in the field. Many students will remain on campus for their entire program of study.

Degree Requirements: 33 credit hours and a thesis, or 33 credit hours including the required applied project course (JHR 593).

The program includes:

18 credit hours of core course work

six credit hours of career-oriented track course work

six credit hours of elective course work AND three credit hours of applied project

OR

three credit hours of elective course work AND six credit hours of thesis

Core Course work (18 credit hours)

JHR 500 Research Methods (3)

JHR 501 Proseminar in Social Justice and Human Rights (3)

JHR 506 Grant Writing for Social Justice and Human Rights (3)

JHR 510 Problem-Based Seminar in Social Justice and Human Rights (3)

JHR 511 Community-Embedded Seminar in Social Justice and Human Rights (3)

JHR 584 Internship (3)

Career-oriented Track (6 credit hours)

In consultation with the program director, each student will select either two nonprofit leadership management courses or two research courses.

Electives (3-6 credit hours)

In consultation with the program director, each student is required to complete one to two additional courses that fit their program.

Culminating Experience (3-6 credit hours)

Students will complete either JHR 593 Applied Project (3 credit hours) or JHR 599 Thesis (6 credit hours)

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

American Studies, BA
Applied Science, BAS
Communication, BS
Communication, BA
English, BA
Ethnicity, Race and First Nations Studies, BA
History, BA
Interdisciplinary Arts and Performance, BA
Interdisciplinary Arts and Sciences, BA
Latin American Studies, BA
Philosophy, Religion and Society, BA
Political Science, BA
Political Science, BS
Psychology, BA
Psychology, BS
Social and Behavioral Sciences, BS
Social and Behavioral Sciences, BA
Sociology, BS
Sociology, BA
Women and Gender Studies, BS
Women and Gender Studies, BA

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Applicants must submit an online Graduate Education application.

Admission is granted on a competitive basis. To be admitted, candidates must have a four-year bachelor's from a regionally-accredited institution, or foreign equivalent and must submit the following:

- a personal statement
- official transcripts of all undergraduate and graduate course work
- official GRE scores
- resume
- two letters of recommendation
- writing sample
- proof of English proficiency*

*Students whose native language is not English must also achieve a minimum test score of 550 paper-based, 213 computer-based, or 80 Internet-based on the Test of English as a Foreign Language (TOEFL), or a minimum overall score of 6.5 on the International English Language Testing System (IELTS).

Completion of an undergraduate research methods or statistics course is recommended, but not required.

The GRE requirement may be waived if the applicant has successfully completed graduate-level course work.

Deadlines

Fall Semester

Priority: Feb.15

Final: July 15

Spring Semester

Priority: Oct. 15

Final: Dec. 15

Students must fulfill both the requirements of Graduate Education and the New College of Interdisciplinary Arts and Sciences.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences

<http://newcollege.asu.edu/graduate/degrees/social-justice-and-human-rights-ma>

Journalism & Mass Communication, Walter Cronkite School of

Business Journalism (Certificate), Certificate (CSBSJGRCT)

Online Degree Search Title: Business Journalism

Campus: ONLNE

Program Description:

The graduate certificate in business journalism is designed to give professional journalists a competitive edge in the globally expanding job market for business journalists. The five-course, 15-hour program is offered through the Cronkite School's Donald W. Reynolds National Center for Business Journalism and taught by top faculty at the Walter Cronkite School of Journalism and Mass Communication. The certificate can be completed in one year, and a portion of the graduate course work may be applied to the Cronkite School's master's of mass communication degree.

Degree Requirements: 15 credit hours.

Required Courses: 15 credit hours

Electives: None required

Culminating Experience: None required

Total required credit hours: 15

Admission Requirements:

Admission criteria: Applicants must meet the admissions criteria for Graduate Education.

Degree(s): An undergraduate degree in journalism, mass communication or related field from a regionally accredited institution, or bachelor's degree and professional journalism experience is required.

GPA: A minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 semester hours or 90 quarter hours of a student's bachelor's degree program is required. Applicants should have official transcripts of all college-level work sent to Graduate Education.

English Proficiency Requirement for International Applicants: (See policies and procedures)
(<https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>))

All applicants for the graduate certificate in business journalism must also submit the following materials:

- a resume or biographical sketch
- a 350- to- 500-word personal statement that serves as a writing sample*

*In the personal statement, the applicant should detail the reasons for pursuing the business journalism certificate.

Applicants whose native language is not English (regardless of where they may now reside) must take the Test of English as a Foreign Language (TOEFL) and have a score of at least 100 on the Internet based test (IBT). Students can have these scores automatically submitted to ASU and the Cronkite School by using institution code 4007.

The Cronkite School's graduate committee will review complete applications on a rolling basis and submit its admissions recommendations to the Graduate Education for final approval.

Required Admission Examinations: None required

Applicants must fulfill the requirements of both Graduate Education and those of the Walter Cronkite School of Journalism and Mass Communication.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated,7.5-week classes.

Contact Information:

Journalism & Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism & Mass Comm
<http://businessjournalism.org>
CRONK 306E
cassandra.nicholson@asu.edu
480-965-7788

Journalism and Mass Communication, PHD (CSJMCPHD)

Online Degree Search Title: Journalism and Mass Communication PHD

Campus: DTPHX

Program Description:

This program is designed to be a small, student-centered, scholarly research-oriented PhD in journalism and mass communication. It is based on the following priorities:

- a journalism and mass communication focus
- an interdisciplinary approach that requires course work outside of the journalism school
- one-on-one, faculty-student mentoring
- program flexibility

The emphasis of this degree is the creation of scholarly, peer-reviewed, articles and presentations based on journalism and mass communication philosophy, theory, and methods. The program prepares students for research-oriented careers in journalism and mass communication education and related fields.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering the program with a master's in journalism or mass communication, or a related field, must complete 60 credit hours of course work. Students who are admitted to the program without a master's degree will be required to complete an additional 24 credits of course work.

core courses (18)

dissertation (12)

elective courses (18)

previous master's or additional hours approved by the supervisory committee (24)

research (12)

The total credit hours required is 84.

Admission Requirements:

Applicants must complete an online Graduate Education application.

Admission is granted for the fall semester only. The application deadline is Feb. 1 of each year. Applicants must meet all deadlines and application requirements to be considered.

The Cronkite school's doctoral committee reviews complete and on-time applications. Recommendations for admission are made to ASU Graduate Education, where the final admission decisions are made.

ASU Graduate Education requires that applicants have a minimum grade point average of 3.00 (on a 4.00 scale) in the last 60 semester hours of course work to be considered for admission.

Applicants must submit:

- test scores on the quantitative and verbal sections of the GRE, with the verbal score being particularly important to the Journalism school's graduate committee
- three letters of recommendation
- personal statement of interest (350-500 words in length)
- resume
- samples of scholarly work
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. Test of English as a Foreign Language (TOEFL) scores must be at least 600 for the paper-based examination and 100, Internet-based.

Students must fulfill both the requirements of Graduate Education and those of the Walter Cronkite School of Journalism and Mass Communication.

Contact Information:

Journalism & Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism & Mass Comm
<http://cronkite.asu.edu/phd>
CRONK 302
cronkitegrad@asu.edu
602-496-5555

Mass Communication, MMC (CSMCOMMMC)

Online Degree Search Title: Master of Mass Communication (MMC)

Campus: DTPHX

Program Description:

The MMC offers basic journalism skills instruction, education in journalism values and instills 21st-century vision and perspective. Students gain practical hands-on experience in specialties including print, broadcast, online and business journalism.

The cornerstones of the graduate program are the journalism school's professional immersion programs:

- Borderlands projects
- Cronkite News Service
- New Media Innovation Lab
- NewsWatch
- The Knight Center for Digital Media Entrepreneurship

Degree Requirements: 30 credit hours including the required applied project course (MCO 593), or 30 credit hours including the required capstone course (MCO 570), or 36 credit hours including the required capstone course (MCO 570).

The master's program is a full-time, three-semester-long, 36-credit-hour immersion program. Students with extensive professional experience may be offered the opportunity to pursue the 30-credit-hour mid-career option.

Accelerated Degrees:

This degree is also offered as an accelerated degree with Journalism and Mass Communication, BA

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Admission is granted for the fall semester only. The application deadline is Feb. 1 of each year. Applicants must meet all deadlines and application requirements to be considered. The Cronkite school's graduate committee reviews complete and on-time applications. Recommendations for admission are made to ASU Graduate Education, where the final admission decisions are made.

Applicants' submission requirements:

- Applicants must complete an online Graduate Education application.
- ASU Graduate Education requires that all those admitted have at least a 3.00 GPA (based on a 4.00 scale) in the last 60 credit hours or 90 quarter hours of undergraduate course work.
- The scores on the quantitative and verbal sections of the GRE are required, with the verbal score being particularly important to the Journalism school's graduate committee.
- Test of English as a Foreign Language (TOEFL) scores must be at least 600 for the paper-based examination and 100, Internet-based.
- Three letters of recommendation are required.
- Applicants must submit a personal statement of interest (350-500 words in length).
- A resume is required.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Walter Cronkite School of Journalism and Mass Communication.

Contact Information:

Journalism & Mass Communication, Walter Cronkite School of
Walter Cronkite School of Journalism & Mass Comm
<http://cronkite.asu.edu/grad/index.php>
CRONK 222

Law, Sandra Day O'Connor College of

Biotechnology and Genomics, LL.M. (LWGENOMLLM)

Online Degree Search Title: Biotechnology and Genomics (LLM)

Campus: TEMPE

Program Description:

The LLM in biotechnology and genomics program is offered through the Sandra Day O'Connor College of Law's Center for Law, Science, and Innovation, the nation's oldest, largest and most comprehensive research center focusing on the intersection of law and science. Through classroom instruction and guided independent study, LLM candidates will examine the legal issues surrounding genetic applications such as:

- cloning
- forensic evidence
- gene testing
- gene therapy
- genetically modified organisms
- stem cells and behavioral genetics

The issues relate to:

- business planning
- confidentiality
- evidentiary standards
- intellectual property
- international trade
- liability
- licensing
- privacy
- regulation

LLM students explore and examine the law that enables and constrains the development, control and application of biotechnology and genomics. Relevant legal fields include:

- agricultural law and policy
- health law, particularly public health law
- intellectual property

Forensic science and ethical constraints upon the various contemplated uses are also important elements of the program. Because the legal, ethical and policy aspects of genomics and biotechnology are of global significance, this program will also be beneficial for non-U.S. lawyers. Candidates for an LLM degree must have received their JD or comparable terminal law degree from another country.

Degree Requirements:

The program is designed to be completed in nine months on a full-time basis, but may also be pursued on a part-time basis. A degree candidate must complete 24 credit hours of course work to obtain the LLM in biotechnology and genomics. A candidate may elect to write a graduate thesis for either three or six credit hours, or can elect not to write a thesis and fulfill the equivalent credits with other course work. Two required courses are: genetics and the law, and biotechnology: science, law and policy.

The remaining credit hours will generally be obtained from the list of elective courses. With faculty advisor approval, a candidate may satisfy up to six credit hours with courses offered by other ASU departments or by law courses that are not included on the approved elective list.

Admission Requirements:

Applications are accepted on a rolling basis for fall or spring entry.

Priority deadlines

- Fall application priority deadline: July 30

- International applicants who require a visa: June 15
- Spring application priority deadline: Nov. 30
- International applicants who require a visa: Oct. 30

Admission to the program is competitive. In order to be admitted, an applicant must have completed a JD degree or a law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country and have submitted a complete application to the program. Selection will be based on:

- academic background and potential
- career experience and ambitions
- diversity of experience and background
- strength of experience related to the program sought and other factors
- space and resource limitations in the law school

For an application to be considered complete, it must include the following:

- completed LLM online application form (available at <http://www.lsac.org> (<http://www.lsac.org>))
- required application fee
- resume that does not exceed three typed pages
- statement of interest that does not exceed 1,250 words (double-spaced, typed pages)
- transcripts from all institutions attended, including the transcript showing that the bachelor's and law degree were conferred*
- two letters of recommendation*
- writing sample

*Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and will be provided to the ASU College of Law by LSAC.

Applicants with degrees from foreign institutions must meet ASU Graduate Education and College of Law English proficiency requirements.

Contact Information:

Law, Sandra Day O'Connor College of
 Sandra Day O'Connor College of Law
<http://www.law.asu.edu/admissions/Admissions/DegreePrograms/LLMMasterofLawsPrograms.aspx>
 LAW 119
 llmasu@asu.edu
 480-965-1474

Indian Law (certificate), Certificate (LWLAWGRCI)

Online Degree Search Title: Indian Law Certificate

Campus:

Program Description:

The Indian law certificate program is designed for students who plan to practice Indian law, particularly students who may be representing tribal communities directly after graduation.

To be eligible to pursue the Indian law certificate, a student must be enrolled in the Sandra Day O'Connor College of Law and be in good standing. Transfer applicants may be admitted to the certificate program if they otherwise meet the admission standards of the Sandra Day O'Connor College of Law.

The certificate requires substantive course work, a minimum grade requirement, practice experience in Indian law and the College of Law graduation writing requirement written on an Indian law topic.

Degree Requirements:

The certificate requires a minimum of 21 hours of substantive work in Indian law and related fields. The following courses are required:

advanced legal research and writing

at least one other course, approved by the executive director, that primarily addresses core Indian law issues

LAW 632 Federal Indian Law I

LAW 704 Federal Indian Law II

Indian law seminar

Other credits must come from a list of approved law electives or non-law electives approved by the executive director. Students pursuing the certificate must also complete a practice experience in Indian law (the Indian law clinic or other executive director-approved experience) and the

senior thesis requirement. Students must receive a grade of "75" or above, "C" (2.00) or above or a "pass" in each course used to fulfill the Indian law certificate requirements.

More specific requirements for completion of the Indian law certificate can be found on the College of Law website.

Admission Requirements:

Students wishing to pursue the Indian law certificate must be enrolled in the JD program at the Sandra Day O'Connor College of Law and must be in good standing. Specific requirements for the Indian law certificate program can be found at the college's website.

Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
<http://www.law.asu.edu/>
LAW 119
greg.hill@asu.edu
480-727-0420

Juris Doctor of Law, JD (LWJDJD)

Online Degree Search Title: Juris Doctor (JD)

Campus: TEMPE

Program Description:

The JD degree program offers a particularly large selection of courses with many options for interdisciplinary study with other departments on campus. Students will find the opportunity to take classes with a more traditional, theoretical focus and to take advantage of many options that focus on the development of practice skills. The college hosts:

- The Center for Law and Global Affairs
- The Center for Law, Science and Innovation
- The Indian Legal Program

Degree Requirements:

Satisfactory completion of the course of study offered by the College of Law leads to the Juris Doctor degree.

To be eligible for the Juris Doctor, a student must satisfy all the following:

- Admission to the college as a candidate for the degree and satisfaction of any conditions imposed at the time of admission or prior to graduation during the course of law study is required.
- All 88 credits required for graduation must be earned at the ASU Sandra Day O'Connor College of Law unless prior approval by the dean's designee is granted (per college policies).
- A maximum of 12 credits of externship work and a maximum of seven credits of independent study can be counted toward the 88 credits required for graduation.
- Complete all required first-year courses, professional responsibility and either Constitutional Law II or Criminal Procedure.
- Complete degree requirements no earlier than 24 months and no later than 84 months after commencing study at the law school or a law school from which the school has accepted transfer credit. A transfer student must complete the work of at least three semesters in the ASU Sandra Day O'Connor College of Law immediately preceding the granting of a degree.
- No more than four credit hours of "D" (1.00 on a 4.00 scale) grade work after the first year can be applied toward the 88 hours.
- Satisfy the graduation writing requirement (per college policies).
- Satisfy the professional skills requirement (per college policies).
- Satisfy the flexible writing requirement (per college policies).
- Successful completion of a minimum of 88 hours of academic credit of which 72 must be graded with a cumulative weighted average of "C" (2.00 on a 4.00 scale) or better is required.
- A minimum of 63 credits must be obtained from courses that involve attendance at regularly scheduled class sessions. The following do not count toward the required 63 credits: externships, independent studies, credits taken outside the law school under College of Law policy IX A, credits received for journal work, credits received for moot court, credits received for teaching assistantships, credits received from courses without regularly scheduled meetings, credits received for any clinic other than the civil justice clinic, the immigration law and policy clinic, the Indian legal clinic, the mediation clinic and the post-conviction clinic.
- A maximum of 38 transfer credits can be counted toward the 88 credits required for graduation.

Concurrent Degrees:

This degree is also offered as concurrent degree with:

Justice Studies (PhD)
Psychology (PhD)
Tucson / Downtown Phoenix - Social Work - Standard Program (MSW)
W. P. Carey MBA - Full-Time Program

Admission Requirements:

The Sandra Day O'Connor College of Law at Arizona State University enrolls only one first-year, Juris Doctor class per year, and it enters in the fall semester. The program is a three-year program, and almost all students study on a full-time basis. The college does offer a flexible scheduling option for students with circumstances that make full-time enrollment impossible. Each year, far more applications are submitted to the Sandra Day O'Connor College of Law than the college's facilities and programs can accommodate. Thus, admission is competitive. The College of Law makes its admission decisions based upon all information contained in the applicant's file.

To be considered for admission to the program, an applicant must have taken the LSAT and have earned, or expect to earn by the time of enrollment in law school, a bachelor's degree from an accredited four-year college or university. Further, a candidate must complete the application for admission and submit all mandatory attachments. Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and will be provided to the College of Law by LSAC with the applicant's LSAT record. Applicants must apply electronically through <http://www.lsac.org> (<http://www.lsac.org/>).

The Sandra Day O'Connor College of Law will provide full file review to 100 percent of the completed applications to the Juris Doctor program. While the applicant's undergraduate record and LSAT score are important predictors, no decision will be made on objective criteria alone. Among the other factors considered by the admission committee are:

- ability to communicate
- demonstrated commitment to public service
- diversity of experience and background
- exceptional personal talents
- extracurricular or community activities
- foreign language proficiency
- geographic diversity
- graduate study
- history of overcoming economic or other disadvantage
- honors and awards
- leadership experience
- maturity
- overcoming disability
- personal experiences with discrimination
- publications
- service in the Armed Forces
- the rigor of the undergraduate course of study
- work experience

Application deadlines are as follows:

- Early admission (nonbinding): Nov. 15.
- Regular admission: Feb. 1.

For an application to be considered complete, it must include the following:

- a complete Credential Assembly Service report, with all transcripts and letters of recommendation or evaluations*
- the completed application, including explanations for affirmative answers to conduct, character and fitness questions
- LSAT scores from Law School Admissions Council
- a personal statement that does not exceed two double-spaced, typed pages
- the required application fee
- a resume that does not exceed three typed pages

*The report must be from the current application year.

Applicants with degrees from foreign institutions must meet ASU Graduate Education and College of Law English proficiency requirements.

Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
<http://www.law.asu.edu>
LAW 119

Law, Science, & Technology (certificate), Certificate (LWLAWSTCE)

Online Degree Search Title: Law, Science, and Technology Certificate

Campus:

Program Description:

The law, science and technology certificate program is for students with science and technology interests and is limited to students pursuing a JD at the Sandra Day O'Connor College of Law.

The program allows for specializations in the areas of:

- environmental law
- genomics and biotechnology law
- health law
- intellectual property
- law and psychology

Degree Requirements:

- Each student must satisfy their graduation writing requirement on a topic related to law, science and technology. The paper must meet all of Sandra Day O'Connor College of Law's requirements for a graduation writing requirement and must be supervised by a center fellow.
- A minimum cumulative grade average of at least a B is required for those courses that satisfy the substantive course work requirements of the certificate. Courses used to satisfy the core or specialization requirements may not be taken for pass or fail credit. A student may take one elective course on a pass/fail basis.
- Substantive course work is required in law, science and technology subjects for a minimum of seven courses, earning at least 16 credit hours, at the Sandra Day O'Connor College of Law. Two courses are chosen from the designated core courses and five courses are chosen from a list of elective courses.

Each student is encouraged to actively participate in the events (speaker, conferences, symposia) sponsored by the Center for Law, Science and Innovation and to participate in at least one approved activity for two semesters.

Students have the option of pursuing a specialization within the certificate. The specialization areas are intellectual property, health law, environmental law, genomics and biotechnology law, and law and psychology. For students pursuing the specialization option, four courses within the area of specialization are required and the core course requirement is reduced from two to one.

Additional details of the program requirements for the law, science and technology certificate can be found in the Sandra Day O'Connor College of Law Statement of Student Policies.

Admission Requirements:

Students wishing to pursue the law, science and technology certificate must be enrolled in the JD program at the Sandra Day O'Connor College of Law and be in good standing.

Specific requirements for admission to the law, science and technology certificate program can be found on the college website.

Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
<http://law.asu.edu/>
LAW 119
Deborah.Relph@asu.edu
480-965-5386

Laws, LL.M. (LAWLAWSLLM)

Online Degree Search Title: Laws (LLM)

Campus: TEMPE

Program Description:

The LLM program allows one year of post-JD study tailored to the scholarly and practice interests of participating students. Study is available in a variety of areas in which the law school holds particular strength. Alternatively, U.S. attorneys and international attorneys may design their own

customized master's program to complement their interests in the practice of law.

Degree Requirements:

The program requires 24 credit hours. Required courses will depend on the student's particular concentration of the degree. International students will be required to take LAW 596 Professional Legal Writing. A candidate may elect to write a master's portfolio paper, or can instead elect to complete an applied project. The remaining credit hours will generally be obtained from the list of elective courses. With faculty advisor approval, a candidate may satisfy up to six credit hours with courses offered by other ASU departments or by law courses that are not included on the approved elective list.

Admission Requirements:

The Sandra Day O'Connor College of Law offers several master's programs for students who have already completed a law degree within the U.S. or abroad. Applications are accepted on a rolling basis for fall or spring entry.

Priority deadlines

- Fall application priority deadline: July 30
- International applicants who require a visa: June 15
- Spring application priority deadline: Nov. 30
- International applicants who require a visa: Oct. 30

Admission to the program is competitive. To be admitted, an applicant must have completed a Juris Doctor or a law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country and have submitted a complete application to the program. Selection will be based on academic background and potential, diversity of experience and background, career experience and ambitions, strength of experience related to the program sought, space and resource limitations in the law school, and other factors.

For an application to be considered complete, it must include the following:

- the completed LLM application form*
- the required application fee
- a resume that does not exceed three typed pages
- a statement of interest that does not exceed 1,250 words: double-spaced, typed pages
- transcripts from all institutions attended, including the transcript showing that the bachelor's degree and law degree were conferred**
- two letters of recommendation**
- a writing sample

*Applicants are encouraged to apply electronically through <http://www.lsac.org> (<http://www.lsac.org>).

**Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and will be provided to the ASU College of Law by LSAC.

Applicants with degrees from foreign institutions must meet ASU Graduate Education and College of Law English proficiency requirements.

Contact Information:

Law, Sandra Day O'Connor College of
Sandra Day O'Connor College of Law
<http://law.asu.edu/admissions/Admissions/DegreePrograms/LLMMasterofLawsPrograms.aspx>
LAW 119
llmasu@asu.edu
480-965-1474

Laws (Global Legal Studies), LL.M. (LAWLGLPLLM)

Online Degree Search Title: Laws (Global Legal Studies) (LLM)

Campus: TEMPE

Program Description:

The LLM program allows one year of post-JD study tailored to the scholarly and practice interests of participating students. Study is available in a variety of areas in which the law school holds particular strength. The concentration in global legal studies is designed in coordination with the College of Law's Center for Law and Global Affairs. The program draws on the unique focus of the center and our faculty's wide range of international and transnational legal expertise in global health, the environment, human rights, trade and emerging technologies. The program emphasizes interdisciplinary study and links rigorous legal training with the research and scholarship drawn from political science, policy studies,

anthropology and sustainability. Students in this program will have the opportunity to practice empirical research and work on center research initiatives in public-private governance, global health, human rights indicators, transitional justice and human trafficking.

Degree Requirements:

The program is designed to be completed in one academic year (nine months) on a full-time basis, but may also be pursued on a part-time basis. A degree candidate must complete 24 credit hours of course work. A candidate may elect to write a master's portfolio paper, or can instead elect to complete an applied project. Required course work includes two of the following courses:

international business transactions

international human rights law

international institutions

public international law

The remaining credit hours will generally be obtained from the list of elective courses in international law. International students will be required to take LAW 596 Professional Legal Writing.

Admission Requirements:

The Sandra Day O'Connor College of Law offers several master's programs for students who have already completed a law degree within the U.S. or abroad. Applications are accepted on a rolling basis for fall or spring entry.

Priority deadlines

- Fall application priority deadline: July 30
- International applicants who require a visa: June 15
- Spring application priority deadline: Nov. 30
- International applicants who require a visa: Oct. 30

Admission to the program is competitive. To be admitted, an applicant must have completed a Juris Doctor or law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country and have submitted a complete application to the program. Selection will be based on academic background and potential, diversity of experience and background, career experience and ambitions, strength of experience related to the program sought, space and resource limitations in the law school, and other factors.

For an application to be considered complete, it must include the following:

- the completed LLM application form*
- the required application fee
- a resume that does not exceed three typed pages
- a statement of interest that does not exceed 1,250 words: double-spaced, typed pages
- transcripts from all institutions attended, including the transcript showing that the bachelor's degree and law degree were conferred**
- two letters of recommendation**
- a writing sample

*Applicants are encouraged to apply electronically through <http://www.lsac.org> (<http://www.lsac.org/>).

**Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and will be provided to the ASU College of Law by LSAC.

Applicants with degrees from foreign institutions must meet ASU Graduate Education and College of Law English proficiency requirements.

Contact Information:

Law, Sandra Day O'Connor College of

Sandra Day O'Connor College of Law

<http://law.asu.edu/admissions/Admissions/DegreePrograms/LLMMasterofLawsPrograms.aspx>

LAW 119

llmasu@asu.edu

480-965-1474

Legal Studies, MLS (LWLGSMLEGS)

Online Degree Search Title: Legal Studies (MLS)

Campus: ONLNE, TEMPE

Program Description:

The MLS is a unique, 30-credit-hour graduate program offered to established professionals or academicians whose work intersects with the law but who do not want to become attorneys. Students learn the foundations of U.S. law and study the process of legal analysis in the context of the cases, laws and regulations related to their specific career interests. Students are required to take one core course in U.S. law and legal analysis, foundational course work, and choose the remaining credits as electives to customize their studies to the area of law relevant to their current career.

Note: Pursuant to American Bar Association standards, no law credits completed prior to admission to a JD program, including credits earned in the MLS program, may be transferred to a future Juris Doctor program under any circumstances.

Degree Requirements:

The program consists of 30 credit hours of approved study. The degree can be completed on a full-time or part-time basis. Students are required to take:

LAW 581 U.S. Law and Legal Analysis (3)

Students are required to choose at one of the following basic foundational courses:

LAW 515 Contracts* OR LAW 530 Fundamentals of Contract Law (4/3)

LAW 516 Criminal Law (3)*

LAW 604 Criminal Procedure (3)

LAW 522 Constitutional Law I (3)*

LAW 518 Civil Procedure (3/5)*

LAW 602 Civil Procedure II (3/4)

LAW 664 Intellectual Property (2/4)

LAW 523 Property (2/4)*

LAW 517 Torts (2/4)*

LAW 654 Business Organizations (3/4)

LAW 625 Constitutional Law II (3/4)

Note: students may enroll in a maximum of 2 courses with an asterisk.

The remainder of the credits are electives. Elective course selection will be flexible, to accommodate the diversity of intellectual and professional interests the program is intended to serve.

Concurrent Degrees:

This degree is also offered as concurrent degree with:

Accountancy (MACC)

Information Management (MS)

Management (MS)

Real Estate Development (MRED)

Sustainable Solutions (MSUS)

Taxation (MTax)

W. P. Carey MBA - Full-Time Program

Admission Requirements:

The Sandra Day O'Connor College of Law offers the master's program for students who do not wish to practice law, but believe that education in the law would be beneficial to their advancement in their careers or in other fields.

Priority deadlines

- Fall application priority deadline: July 30
- International applicants who require a visa: June 15
- Spring application priority deadline: Nov. 30
- International applicants who require a visa: Oct. 30

Admission to the program is competitive. In order to be admitted, an applicant must have completed a bachelor's degree from an accredited four-year college or university in the United States or attained a comparable degree from a foreign institution and have submitted a complete application to the program. Selection will be based on a variety of factors, including academic background and potential, diversity of experience and background, career experience and ambitions, space and resource limitations in the law school and other factors.

For an application to be considered complete, it must include the following:

- the completed MLS application form

- the required application fee
- a resume that does not exceed three typed pages
- a statement of interest that does not exceed 1,250 words: double-spaced, typed pages
- transcripts from all institutions attended, including the transcript showing that the bachelor's degree was conferred
- two letters of recommendation
- a writing sample

Applicants with degrees from foreign institutions must submit transcripts to World Education Services (www.wes.org) and meet ASU Graduate Education and Sandra Day O'Connor College of Law English proficiency requirements.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Law, Sandra Day O'Connor College of
 Sandra Day O'Connor College of Law
<http://www.law.asu.edu/admissions/Admissions/MLSMasterofLegalStudiesProgram.aspx>
 LAW 119
mlsas@asu.edu
 480-965-1474

Legal Studies (Patent Practice), MLS (LWLPPMLEGS)

Online Degree Search Title: Legal Studies (Patent Practice) (MLS)

Campus: TEMPE

Program Description:

The concentration in patent practice, within the MLS degree prepares students for the practice of patent law as registered patent agents with the United States Patent and Trademark Office. The concentration focuses on providing students with substantial doctrinal knowledge about patent law as well as the practical skills training, including a capstone clinical course, relevant in the patent law field.

Degree Requirements:

core course credit hours (3)

LAW 581 US Law and Legal Analysis (3)

concentration course credit hours (18)

elective course credit hours (6)

culminating experience: Clinical Experience (Lisa Foundation Patent Law Clinic) (3)

Total required credit hours (30)

Admission Requirements:

Priority Deadlines:

Fall Application Priority Deadline: July 30

International applicants who require a Visa: June 15

Spring Application Priority Deadline: Nov. 30

International applicants who require a Visa: Oct. 30

Degree(s): Admission to the concentration requires a bachelor's degree in one of the following:

- aeronautical engineering
- agricultural engineering
- biochemistry
- biology
- biomedical engineering
- botany
- ceramic engineering
- chemical engineering

- civil engineering
- computer engineering
- computer science*
- electrical engineering
- electrochemical engineering
- electronics technology
- engineering physics
- food technology
- general chemistry
- general engineering
- geological engineering
- industrial engineering
- marine technology
- mechanical engineering
- metallurgical engineering
- microbiology
- mining engineering
- molecular biology
- nuclear engineering
- organic chemistry
- petroleum engineering
- pharmacology
- physics
- textile technology

*Acceptable computer science degrees must be accredited by the Computer Science Accreditation Commission (CSAC) of the Computing Sciences Accreditation Board (CSAB) or by the Computing Accreditation Commission (CAC) of the Accreditation Board for Engineering and Technology (ABET) on or before the date the degree was awarded.

GPA: A minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's first bachelor's degree program is required. A minimum of 3.00 cumulative GPA (scale is 4.00=A) in the applicable master's degree is required.

English Fluency: Applicants must meet the requirements of Graduate Education as well as those of the Sandra Day O'Connor College of Law. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency as indicated by acceptable scores. Applicants should have a TOEFL score above 600 (paper), 250 (computer) or 100 (Internet). Exceptional candidates with relevant experience and background who have scores of at least 590 (paper), 243 (computer) or 96 (Internet) also will be considered.

Required Admission Examinations: None

For an application to be considered complete, it must include the following:

- the completed master's application form
- the required application fee
- a resume that does not exceed three typed pages
- a statement of interest that does not exceed 1,250 words: double-spaced, typed pages
- transcripts from all institutions attended, including the transcript showing that the bachelor's degree was conferred
- two letters of recommendation
- a writing sample

Applicants with degrees from foreign institutions must submit transcripts to World Education Services (www.wes.org) and meet ASU Graduate Education and Sandra Day O'Connor College of Law English proficiency requirements.

Contact Information:

Law, Sandra Day O'Connor College of
 Sandra Day O'Connor College of Law
<http://www.law.asu.edu/admissions/Admissions/MLSMasterofLegalStudiesProgram.aspx>
 LAW 119
mlsas@asu.edu
 480-965-1474

Tribal Policy, Law and Government, LL.M. (LWTBLMLAWS)

Online Degree Search Title: Tribal Policy, Law, and Government (LLM)

Campus: TEMPE

Program Description:

The LLM in tribal policy, law and government is designed for lawyers and law school graduates who desire to work on issues related to tribal law and federal Indian law at the professional and academic levels. The Sandra Day O'Connor College of Law is a leading institution in producing graduates specializing in Indian law. The College of Law is also home to the nationally known Indian Legal Program which was established in 1988.

The program provides students with a detailed understanding of the nature of tribal government, law and policy development within the domestic federal structure. Candidates will benefit from the extensive resources committed to the Indian legal program, including a director and staff and an Indian law clinic with its own full-time director and staff.

The core curricular offerings focus on domestic tribal law, federal Indian law, and American institutions of law and government. The program explores the expression of domestic law within contemporary administrative, governmental and judicial institutions.

ASU is located in the heart of the southwestern U.S., home to roughly one-third of the native population in the U.S. and where many of the largest Indian nations in the country are located. It is the academic home for several nationally known scholars who do research on American Indian issues, and houses many unique resources for such scholarship, including the Labriola Collection at Hayden Library.

Degree Requirements:

The program is administered by the Indian Legal Program and is oriented toward students who seek practical experience in tribal law and federal Indian law. It provides intensive instruction to students who graduated from a law school that had few or no courses in Indian law and who now seek to practice in these areas at a professional level. This degree requires a minimum of 24 credit hours of study. A thesis is not required.

Students will immerse themselves in the study of tribal law and federal Indian law and will apply the knowledge and experience they gain through the practical component of the degree program which may consist of:

- research projects for tribal courts and governments
- state, tribal and federal court practice
- tribal code drafting

Graduates will be well equipped for professional positions that require knowledge and expertise in tribal law and federal Indian law. Students have the option of pursuing the degree on a part-time basis.

Admission Requirements:

Applications are accepted on a rolling basis for fall or spring entry.

Priority deadlines

- Fall application priority deadline: July 30
- International applicants who require a visa: June 15
- Spring application priority deadline: Nov. 30
- International applicants who require a visa: Oct. 30

Admission to the program is competitive. In order to be admitted, an applicant must have completed a JD degree or law degree at a foreign institution that would qualify the applicant to practice law or pursue license to practice in that country, and have submitted a complete application to the program. Selection will be based on:

- academic background and potential
- career experience and ambitions
- diversity of experience and background
- space and resource limitations in the law school
- strength of experience related to the program sought, and other factors

Applicants are encouraged to apply electronically through <http://www.lsac.org> (<http://www.lsac.org>). For an application to be considered complete, it must include the following:

- the completed LLM application form (<http://www.lsac.org>)
- the required application fee
- a resume that does not exceed three typed pages
- a statement of interest that does not exceed 1,250 words, typed and double-spaced
- transcripts from all institutions attended, including the transcript showing that the bachelor's degree and law degree were conferred*
- two letters of recommendation*
- a writing sample

*Transcripts and letters of recommendation or evaluations must be submitted through the Law School Admissions Council's Credential Assembly Service and will be provided to the ASU College of Law by LSAC.

Applicants with degrees from foreign institutions must meet ASU Graduate Education and College of Law English proficiency requirements.

Contact Information:

Law, Sandra Day O'Connor College of

Sandra Day O'Connor College of Law

<http://www.law.asu.edu/admissions/Admissions/DegreePrograms/LLMMasterofLawsPrograms.aspx>

LAW 119

lmasu@asu.edu

480-965-1474

Letters & Sciences, School of

Applied Biological Sciences, MS (TSAPBIOSMS)

Online Degree Search Title: Applied Biological Sciences (MS)

Campus: POLY

Program Description:

The MS in applied biological sciences is designed to train students who are creative problem solvers, who are technically proficient whether they work in the field or at the laboratory bench, who stay abreast of scientific advances and the technical literature in their field of research, who are articulate in oral and written communication, and who understand the societal and policy implications of their work.

The degree is supported by faculty with backgrounds in:

- biotechnology
- ecological restoration
- environmental biotechnology
- environmental policy
- plant systematics
- urban horticulture
- wildlife biology

All students are required to complete a core of graduate courses, conduct a research project under the direction of a faculty member and prepare and defend a research thesis. Students may also select a nonthesis option.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required applied project course (ABS 592 or ABS 593).

Plan of Study: All students are required to complete two seminars: ABS 591 in the spring semester and ABS 691 in the fall semester.

The remaining hours are chosen to support the student's educational objectives.

There are no foreign language requirements and no comprehensive examinations.

Thesis Requirements: A thesis is required, which constitutes six credit hours of the total 30 hours

Nonthesis Option: The nonthesis option requires a three-credit hour applied project course (ABS 593) and three-credit hour culminating course requirement (ABS 592)

Final Examinations: A final oral examination covering the thesis and related subject matter is required.

Admission Requirements:

All applicants must submit an online application to Graduate Education and must meet the minimum requirements for admission, including those regarding English proficiency.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the School of Letters and Sciences.

In addition, scores from the GRE or Miller Analogies Test are required. Applicants are expected to have completed 18 credit hours in biological sciences and closely-related courses. Specific fields of study may have specific expectations regarding courses taken at the undergraduate level. Applicants not meeting these course requirements may be considered for admission with deficiencies.

Submit the following separate application materials to Graduate Enrollment Services:

- a resume
- a statement of intent (maximum 600 words) explaining the applicant's interest in environmental resources, academic background and educational objectives
- three letters of recommendation from references who are qualified to comment on the applicant's potential in the selected area of study

Application Deadlines

For fall enrollment, application materials are due to the Department of Applied Sciences and Mathematics and Graduate Education by March 15.

For spring enrollment, application materials are due to the Department of Applied Sciences and Mathematics and Graduate Education by Oct. 15.

Selection Procedures and Notifications

Department faculty evaluate the applications and supporting materials and recommend to Graduate Education whether the applicant should be granted regular or provisional admission or if admission should be denied. If admission is provisional, Graduate Education, in its letter of admission, will specify the provisions that need to be met to gain regular status. The school informs successful applicants of the procedures for enrollment.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<https://sls.asu.edu/>
SANCA 233
sls@asu.edu
480-727-1526

Applied Ethics and the Professions (Science, Technology and Ethics), MA (LAAEPSEEMA)

Online Degree Search Title: Applied Ethics (Science,Tech, and Ethics) MA

Campus: POLY

Program Description:

The science, technology and ethics concentration of the MA in applied ethics and the professions degree focuses on the ethical issues arising from the multiple challenges involved in balancing economic, technological, environmental, social and cultural development in a world increasingly affected by science and technology. It provides the student with a general background in ethics and ethical systems with an emphasis on ethical issues in science and technology, as well as exposing students to new challenges posed by rapidly evolving sociotechnical systems in such areas as:

- energy, environment and development
- genetic engineering and biotechnology
- information and communication technology
- nanotechnology
- risk assessment
- technology and security

Degree Requirements: 30 credit hours including the required applied project course (AEP 593).

Course work is distributed as follows:

Required core course:

AEP 501 Foundations of Ethics, Online (3)

Required course in concentration:

HSD 598 Science, Technology and Ethics (3)

Electives from concentration courses (18)

Required capstone course:

Admission Requirements:

General admission requirements are as follows:

- the ASU Graduate Education online application
- 3.00 or higher undergraduate GPA
- resume
- personal statement of interest and qualification
- two letters of recommendation

the Test of English as a Foreign Language (TOEFL) score or comparable proof of English proficiency (international students)

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the School of Letters and Sciences.

No GRE is required.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<https://sls.asu.edu>
SANCA 250D
joseph.herkert@asu.edu
480-727-1548

Counseling, MC (EDCOUNMC)

Online Degree Search Title: Counseling (MC)

Campus: TEMPE

Program Description:

The mission of the MC in counseling program is to prepare students to become professional mental health counselors, culturally competent to work with diverse clientele in a variety of mental health settings in Arizona and other states. Clinical mental health counselors seek to prevent or treat psychological problems and to promote the health of individuals, families, groups and organizations in a multicultural and diverse society. The MC program was designed according to the standards for clinical mental health and school counseling set by the Council for the Accreditation of Counseling and Related Educational Programs.

The faculty has endorsed the multicultural counseling competencies of the American Counseling Association; the guidelines on multicultural education, training, research, practices and organizational change for psychologists; and the guidelines for psychotherapy with lesbian, gay and bisexual clients of the American Psychological Association.

Degree Requirements: 60 credit hours and a thesis, or 60 credit hours and a written comprehensive exam.

The program can be completed in no less than two years. Most students can complete the program in two to three years. The program is not designed to be a part-time program.

The practitioner option places considerable emphasis on supervised field experiences. A comprehensive exam is required to complete this option.

The research option places considerable emphasis on developing research competencies, in addition to supervised field experience. Successful completion of a master's thesis is required in this option.

Admission Requirements:

Applicants to this program must:

- Submit the online Graduate Education application.
- Be graduates of accredited higher education institutions.
- Meet the Graduate Education requirements for admission (e.g., minimum 3.00 junior/senior GPA and English language proficiency).
- Submit a three- to five-page personal statement (see below).
- Submit three recommendation forms (see below).
- Take the verbal and quantitative sections of the GRE. The test must be retaken if scores are more than five years old.

Nonacademic/Professional/Life Experiences

Applicants are required to submit a three- to five-page personal statement that will include information on significant life experiences, professional experiences, personal attributes, personal and professional goals, and other information that will assist the faculty in evaluating the applicant.

Recommendations

Three recommendation forms are to be submitted. These should be completed by persons able to evaluate the applicant's academic potential, professional experience and personal attributes.

All application materials must be submitted by Jan. 15 to ensure consideration for admission the following fall semester.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the School of Letters and Sciences.

For more information, visit the school's website.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<https://sls.asu.edu/ccp>
EDB 446
ccp@asu.edu
480-965-8733

Counseling Psychology, PHD (EDCPSYPHD)

Online Degree Search Title: Counseling Psychology (PhD)

Campus: TEMPE

Program Description:

The APA-accredited PhD program in counseling psychology closely adheres to the scientist-practitioner training model in preparing graduates for employment in academic and service delivery settings. Although faculty interests are diverse, there is a common emphasis on empirical data as the basis for professional practice. The faculty has endorsed the ethical principles and code of conduct, guidelines on multicultural education, training, research, practices and organizational change for psychologists and the guidelines for psychotherapy with lesbian, gay and bisexual clients of the American Psychological Association.

The program is committed to the scientist-practitioner model. One manifestation of that commitment is the three complementary functions of the program's counselor training center: service delivery, clinical training and research. Research foci include (but are not limited to):

- at-risk populations
- career development
- multiculturalism
- positive psychology
- process and outcome in therapy
- supervision

Degree Requirements: 113 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Our doctoral curriculum typically requires three to five years of full-time graduate study, plus a yearlong internship in an APA-approved setting. Each of these years involves course work pertaining to theory, research and practices in counseling psychology. Students are expected to maintain full-time status. Full-time status involves being registered for at least nine credits per semester in the course work years. This requirement applies only to the academic year and not summer sessions. At a minimum, students are required to complete two years of course work in residence at ASU.

Admission Requirements:

Applicants to doctoral study in counseling psychology must first submit an online Graduate Education application and GRE scores (which can be no older than five years).

Students whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

The following supplemental materials are required by the counseling psychology program:

- a brief personal statement (600 words or less) describing the applicant's history, academic and professional goals, and reasons for selecting the counseling psychology program at ASU

- a completed biographical information form
- a seven-page sample of the applicant's expository writing (e.g., taken from a paper prepared for a course or a report on a project the applicant has completed in this field)
- three letters of recommendation*

*The preference is that two of these letters be from persons familiar with the applicant's academic work.

All application materials must be submitted by Dec. 15 in order to ensure consideration for admission the following fall semester.

For more information, visit the school's website.

Contact Information:

Letters & Sciences, School of
 School of Letters and Sciences
<https://sls.asu.edu/>
 EDB 446
 ccp@asu.edu
 480-965-8733

Global Technology and Development, MS (LSGTDMS)

Online Degree Search Title: Global Technology and Development MS

Campus: DTPHX, ONLINE

Program Description:

The MS in global technology and development is a program in international social, economic and political development that highlights the variable of technology in these development processes and analyzes change within the context of the current era of globalization. One of the central concerns addressed in the program is the global disparity in wealth and access to resources and basic needs, both between and within countries. Students are encouraged to pursue unique research questions in the developed or the developing worlds, which engage them in social science research on issues related to technology and human socioeconomic and political development. Students take theoretical, research, policy and regional studies courses to prepare for the master's culminating experience requirement of a thesis, applied project or comprehensive examination, depending upon the interests and goals of each student.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required applied project course (GTD 593), or 30 credit hours including the required capstone course (GTD 592 or GTD 584), or 30 credit hours, a written comprehensive exam and an oral comprehensive exam.

core credit hours (12 credit hours)

restricted elective credit hours (12 credit hours)

GTD On-campus program:

GTD 599 Thesis or GTD 593 Applied Project (6 credits) or written and oral comprehensive exams
 six additional credit hours of course work

GTD Online program:

GTD 592 Capstone (Research) (3 credits) or GTD 584 Capstone (Internship) (3 credits)
 three additional credit hours of course work

Admission Requirements:

All applicants must complete the Graduate Education online application. A bachelor's degree from a regionally accredited college or university recognized by ASU is required, in related fields such as political science, international relations, sociology, anthropology, economics, business, education, technology, engineering, life sciences, foreign languages or literature (i.e., topics related to global development, culture or socioeconomic institutions).

Also required is a minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of the program.

A Test of English as a Foreign Language (TOEFL) score is required from any applicant whose native language is not English (regardless of where they may now reside). Please visit <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>) for more information.

Students must fulfill both the requirements of Graduate Education and the School of Letters and Sciences.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<https://sls.asu.edu/graduate/proginfo/master-science-global-technology-development>
INTDSB 366
gary.grossman@asu.edu
480-727-9533

Technical Communication, MS (LSTCCMMS)

Online Degree Search Title: Technical Communication

Campus: POLY

Program Description:

The master's degree in technical communication will teach students how to design, produce, and manage print and digital texts, using traditional and developing technologies. The curriculum provides students with a comprehensive understanding of the professional, cultural, and ethical issues that shape the field; it balances theory and practice to ensure students develop the analytical abilities, technology expertise, and hands-on skills necessary for success as a technical communicator. Students who complete the program will be accomplished writers, editors, designers, and researchers who are able to respond effectively to a range of audiences, issues, and communication situations. The program will prepare students for technical communication positions in the private, public, and nonprofit sectors and will offer professionals the opportunity to further advance their careers.

Degree Requirements: 36 credit hours and a thesis, or 36 credit hours including the required applied project course (TWC 593).

Core Courses: 21 hours

TWC 501 Principles of Technical Communication (3)

TWC 511 Principles of Visual Communication (3)

TWC 521 Principles of Writing with Technology (3)

TWC 531 Principles of Technical Editing (3)

TWC 552 Information in the Digital Age (3)

TWC 504 Applied Rhetoric (3)

TWC 505 Research in Technical Communication (3)

Restricted Electives: 9 hours (choose 3 below)

TWC 543 Proposal Writing (3)

TWC 544 Manual and Instructional Writing (3)

TWC 545 Computer Documentation (3)

TWC 546 Technical and Scientific Reports (3)

TWC 551 Copyright and Intellectual Property in the Electronic Age (3)

TWC 553 Information and Communications Technology in American History (3)

TWC 598 Topic: Visual Information (3)

TWC 598 Topic: Information Architecture (3)

Culminating Experience: 6 hours

TWC 599 Thesis (6) OR

TWC 593 Applied Project (6)

Total required credit hours: 36

Admission Requirements:

Degree: A minimum of a bachelor's degree from an accredited college or university is required. Applicants in any program of study will be accepted as potential candidates for the program.

Students must apply to the Graduate Education office utilizing the online admission application; applicants must meet all admission requirements of the Graduate Education office.

All applicants must submit a written letter of application that includes a detailed statement of purpose, as well as a portfolio of at least three

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documents that demonstrate the applicant's ability to write in a variety of genres. Portfolio documents can include both academic or professional writing for a range of audiences and purposes, and need not be in the area of technical communication. The portfolio should be 15-30 pages in length. The writing samples in the portfolio will be evaluated using a rubric that considers several criteria, including demonstration of ability to focus on a specific purpose and to meet audience needs; organization; clarity; mechanical soundness; and overall effectiveness.

All applicants must submit three letters of reference, either academic or professional, that speak to the background and capabilities of the applicant.

GPA: A minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's first bachelor's degree program is required. A minimum of 3.00 cumulative GPA (scale is 4.00 = A) in the applicable master's degree is required.

English Proficiency Requirement for International Applicants: Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Since this degree requires a high degree of proficiency in English, we will expect non-English speaking applicants to have the following TOEFL scores:

Traditional paper-based: 600

Internet-based: 100

Computer-based: 250

Foreign Language Exam: No

Required Admission Examinations: None required

Letters of Recommendation: All applicants must submit three letters of reference, either academic or professional, that speak to the background and capabilities of the applicant.

Students must fulfill both the requirements of Graduate Education and those of the School of Letters and Sciences.

Contact Information:

Letters & Sciences, School of

School of Letters and Sciences

<https://sls.asu.edu/undergrad/proginfo/lstecbs>

SANCA 233Y

SLS@asu.edu

480-727-5981

Technical Communication (certificate), Certificate (LSTECGRCT)

Online Degree Search Title: Technical Communication

Campus:

Program Description:

Through the technical communication program, students learn how to produce and communicate technical information using traditional and digital technologies.

Degree Requirements:

The certificate requires 18 hours, including the following classes:

TWC 501 Principles of Technical Communication (3)

Choose two of the following courses:

TWC 511 Principles of Visual Communication (3)

TWC 521 Principles of Writing with Technology (3)

TWC 531 Principles of Technical Editing (3)

Choose three other 500-level TWC courses, of which at least two of which must be genre or information courses, such as TWC 543 Proposal Writing (3) or TWC 552 Information in the Digital Age (3).

Admission Requirements:

This is a graduate certificate. Students must have completed a bachelor's degree prior to pursuing this certificate. Students must use the Graduate Education online application to apply as nondegree seeking students.

For U.S. Department of Education Gainful Employment Program Disclosure information, see

<https://catalog.asu.edu/files/disclosures/LSTECGRCT/Gedt.html> (<https://catalog.asu.edu/files/disclosures/LSTECGRCT/Gedt.html>).

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<https://sls.asu.edu/>
SANCA 233
SLS@asu.edu
480-727-1526

Liberal Arts & Sciences, College of

African Studies (certificate), Certificate (LAAFRICACE)

Online Degree Search Title: African Studies (Grad Certificate)

Campus: TEMPE

Program Description:

The graduate certificate in African and African diaspora studies is an interdisciplinary program with four areas of emphasis:

- African diaspora studies
- African studies
- comparative studies
- women and gender in African and African diaspora studies

These areas of emphasis provide students with access to an extensive range of information and systematic knowledge committed to the new model of African and African diaspora studies that focuses on the intersections of race, culture and gender with interdisciplinary perspectives.

The required course, AFR 500 Research Methods, offers students an overview of the focus and explicates relevant methodologies and theories.

This required course, along with the courses within the areas of emphasis and the capstone course, complete the certificate. As this certificate program offers students an international dimension to the study of peoples and cultures of African descent, students will invigorate their knowledge about global issues and further expand their research pursuits. This certificate program characterizes the faculty members' intellectual and research strengths and the curriculum's interdisciplinary strategies and research approaches that highlight the continuities and disjuncture of history and experiences throughout Africa and the diaspora.

Degree Requirements: 18 credit hours.

The certificate program requires:

- AFR 500 Research Methods (3)
- capstone project (3)
- elective (3)
- emphasis courses (9)*

*Students select one of four emphases after consulting with the director of the certificate program.

Admission Requirements:

Applicants must submit the Graduate Education online application. Admission to the graduate certificate in African and African diaspora studies program is open to any student who has completed a bachelor's degree at an accredited U.S. institution or equivalent. Students who are regularly admitted to a graduate degree program may pursue the certificate in tandem with their degree program. Students who are not regularly admitted to a graduate degree program may still pursue the certificate.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<https://sst.clas.asu.edu/graduate/certificates>
WILSN 125
SST@asu.edu
480-965-7682

American Indian Studies (Cultural Resource Revitalization and Sustainability), MS (LAAISCMS)

Online Degree Search Title: American Indian Studies (Cultural Resource Revitalization and Sust) MS

Campus: TEMPE

Program Description:

The MS in American Indian studies is an interdisciplinary program that will result in an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge and resultant problem-solving skills in a range of professional arenas, including governmental, private and nonprofit agencies. Focus will be on languages, cultures, arts, histories, legal policy and education from an American Indian studies perspective. Delivery will be mainly through in-person and online courses. Students may select a thesis (research) or nonthesis (professional) option. Thesis students will be involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency, or wish to pursue a doctorate degree. Nonthesis students will complete a research project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership and managerial level position within an organization or agency.

The required core classes emphasize knowledge and skills all graduates must have. Concentrations and electives are designed so students can concentrate in the areas of visual and oral culture, indigenous rights and social justice, cultural resource revitalization, and sustainability or tribal leadership and governance. Depending on the option chosen, students will complete either a thesis or a practicum. Both are research projects, but the practicum is more applied in nature.

The cultural resource revitalization and sustainability concentration will explore the development and implementation of American Indian-focused cultural resources management processes and analyze how policies and laws can improve or hinder the protection of American Indian cultural and funerary patrimony.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).

core credit hours (9)

concentration credit hours (9)

elective credit hours (6)

AIS 599 or AIS 580 thesis or applied project (6)

Admission Requirements:

The minimum requirements for admission are:

- online Graduate Education application
- bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as history, justice study, sociology, ethnic studies, anthropology, political science or education
- a TOEFL score from any applicant whose native language is not English

Please visit <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>) for more information. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
American Indian Studies Program
<http://americanindian.clas.asu.edu>
DISCVRY 356
ais@asu.edu
480-965-3634

American Indian Studies (Indigenous Rights and Social Justice), MS (LAAISIMS)

Online Degree Search Title: American Indian Studies (Indigenous Rights and Social Justice) MS

Campus: TEMPE

Program Description:

The MS in American Indian studies is an interdisciplinary program that will result in an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge and resultant problem-solving skills in a range of professional arenas, including governmental, private and nonprofit agencies. Focus will be on languages, cultures, arts, histories, legal policy and education from an American Indian studies perspective. Delivery will be mainly through in-person and online courses.

Students may select a thesis (research) or nonthesis (professional) option. Thesis students will be involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctorate degree. Nonthesis students will complete a research project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership and managerial level position within an organization or agency. The required core classes emphasize knowledge and skills all graduates must have. Concentrations and electives are designed so students can concentrate in the areas of visual and oral culture, indigenous rights and social justice, cultural resource revitalization and sustainability or tribal leadership and governance. Depending on the option chosen, students will complete either a thesis or a practicum. Both are research projects, but the practicum is more applied in nature.

The indigenous rights and social justice concentration will explore the historical dimensions of colonization on American Indian political, economic and cultural institutions. Students will analyze the legal, political and social implications of American Indian relationships with federal, state and local governments and investigate processes that American Indian nations and community members use to strategize and work toward social justice and indigenous rights.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).

core credit hours (9)

concentration credit hours (9)

elective credit hours (6)

AIS 599 or AIS 580 thesis or applied project (6)

Accelerated Degrees:

This degree is also offered as an accelerated degree with American Indian Studies, BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

The minimum requirement for admission is a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as history, justice study, sociology, ethnic studies, anthropology, political science or education.

A TOEFL score is required from any applicant whose native language is not English. Please visit <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>) for more information. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of

American Indian Studies Program

<http://americanindian.clas.asu.edu>

DISCOVERY 356

ais@asu.edu

480-965-3634

American Indian Studies (Tribal Leadership and Governance), MS (LAAISTMS)

Online Degree Search Title: American Indian Studies (Tribal Leadership and Governance) MS

Campus: TEMPE

Program Description:

The MS in American Indian studies is an interdisciplinary program that will result in an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge and resultant problem solving skills in a range of professional arenas, including

governmental, private and nonprofit agencies. Focus will be on languages, cultures, arts, histories, legal policy and education from an American Indian studies perspective. Delivery will be mainly through in-person and online courses.

Students may select a thesis (research) or nonthesis (professional) option. Thesis students will be involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctorate degree. Nonthesis students will complete a research project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial position within an organization or agency.

The required core classes emphasize knowledge and skills all graduates must have. Concentrations and electives are designed so students can concentrate in the areas of visual and oral culture, indigenous rights and social justice, cultural resource revitalization and sustainability or tribal leadership and governance. Depending on the option chosen, students will complete either a thesis or a practicum. Both are research projects, but the practicum is more applied in nature.

The tribal leadership and governance concentration will explore traditional and modern concepts of Indian education leadership, tribal government leadership, tribal governments, decision-making and legislation, constitutional reform, planning, economic development, community development, nation rebuilding, tribal courts, administration and planning.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).

core credit hours (9)

concentration credit hours (9)

elective credit hours (6)

AIS 599 or AIS 580 thesis or applied project (6)

Concurrent Degrees:

This degree is also offered as concurrent degree with Public Administration (MPA) - Downtown Phoenix

Accelerated Degrees:

This degree is also offered as an accelerated degree with American Indian Studies, BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

The minimum requirement for admission is a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as history, justice study, sociology, ethnic studies, anthropology, political science or education.

A TOEFL score is required from any applicant whose native language is not English. Please visit <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>) for more information.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of

American Indian Studies Program

<http://americanindian.clas.asu.edu>

DISCOVERY 356

ais@asu.edu

480-965-3634

American Indian Studies (Visual and Oral Culture), MS (LAAISVMS)

Online Degree Search Title: American Indian Studies (Visual and Oral Culture) MS

Campus: TEMPE

Program Description:

The MS in American Indian studies is an interdisciplinary program that will result in an intellectual and practical understanding of the issues facing American Indian populations and the ability to apply that knowledge and resultant problem-solving skills in a range of professional arenas, including governmental, private and nonprofit agencies. Focus will be on languages, cultures, arts, histories, legal policy and education from an American Indian studies perspective. Delivery will be mainly through in-person and online courses.

Students may select a thesis (research) or nonthesis (professional) option. Thesis students will be involved in a major research project under the direction of their faculty advisors, culminating in a thesis. This is the option students should select if they have an interest in a research-oriented position within an organization or agency or wish to pursue a doctorate degree. Nonthesis students will complete a research project that identifies and addresses an applied problem or issue relevant to a partner agency or organization under the direction of their faculty advisors. This is the option students should select if they are interested in a leadership or managerial level position within an organization or agency. The required core classes emphasize knowledge and skills all graduates must have. Concentrations and electives are designed so students can concentrate in the areas of visual and oral culture, indigenous rights and social justice, cultural resource revitalization and sustainability or tribal leadership and governance. Depending on the option chosen, students will complete either a thesis or a practicum. Both are research projects, but the practicum is more applied in nature.

The visual and oral culture concentration will explore and contribute to American Indian culture and history as it exists in visual, material and written forms through creative writing, literature, poetry, film, photography, performing arts, digital arts, oral tradition and history and communication from an American Indian studies paradigm.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required applied project course (AIS 580).

core credit hours (9)

concentration credit hours (9)

elective credit hours (6)

AIS 599 or AIS 580 thesis or applied project (6)

Admission Requirements:

The minimum requirement for admission is a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as history, justice study, sociology, ethnic studies, anthropology, political science or education.

A TOEFL score is required from any applicant whose native language is not English. Please visit <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>) for more information. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of

American Indian Studies Program

<http://americanindian.clas.asu.edu>

DISCOVERY 356

ais@asu.edu

480-965-3634

American Media and Popular Culture, MAS (LAAMPCMAS)

Online Degree Search Title: American Media and Popular Culture (MAS)

Campus: ONLNE, TEMPE

Program Description:

The MAS degree offered by the Film and Media Studies Program at ASU features innovative approaches to the study of film, television, computer games, new media and screenwriting, using historic methods, critical theory and creative expression as modes of analysis. While the media arts have traditionally been studied as independent disciplines, our program provides a more comprehensive approach that views them as convergent. We therefore recognize the importance of understanding the history of film as an art form, for instance, but also the need to view it in relation to television and digital media. We are committed to integrating the study of such media convergence into our curriculum, both as units within courses and through the design of new courses entirely devoted to that phenomenon.

Degree Requirements: 30 credit hours including the required applied project course (FMS 593).

The program consists of nine credit hours of core courses, 18 credit hours of electives and a three-credit applied project. Students should review the webpage and then consult the director.

Admission Requirements:

Applicants must complete the Graduate Education online application, with required supporting documents, and meet all admission criteria.

Supporting documents include:

- a two-page personal statement describing the student's past academic work and reasons for pursuing the degree

- a three-page essay (subject provided in the online application) that assesses the student's knowledge of media theory and critical analysis skills

Application deadlines are Jan. 15 and April 15 for summer and fall enrollment respectively, and Sept. 15 for spring enrollment. For more information, visit the program webpage.

Applicants whose native language is not English (regardless of where they may now reside) will be required to meet the Department of English proficiency requirement. <http://english.clas.asu.edu/gradstudies-international> (<http://english.clas.asu.edu/gradstudies-international>).

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu/film-mas>
LL 542
enggrad@asu.edu
480-965-3168

Animal Behavior, PHD (LAANBPHD)

Online Degree Search Title: Animal Behavior (PhD)

Campus: TEMPE

Program Description:

Animal behavior is a graduate degree program that will provide doctorate-level training in mechanistic and functional approaches to understanding behavior in a variety of animal taxa.

The study of behavior is at the interface of several scientific disciplines (e.g., physiology, ecology, evolution), and good research in this area requires diverse but specialized training and skills. This program will unify and coordinate graduate training in both behavioral sciences education and research.

This program complements the transdisciplinary PhD in neuroscience program at ASU and has applied scientific value in areas such as mental and behavioral health in humans and veterinary science. The ecological focus in the program (i.e., behavioral ecology, conservation biology) feeds into valley, state and global issues in ecosystem and resource sustainability.

Degree Requirements: 84 credit hours, a prospectus and a dissertation.

core requirements (8):

ANB 601 (4) Research Strategies in Animal Behavior
ANB 602 (4) Current Issues in Animal Behavior

elective courses (21): The department and the student's advisor will determine these courses in conjunction with the student.

research (43)

dissertation (12)

Admission Requirements:

All applicants will need to submit the Graduate Education online application.

The applicant must fulfill these requirements:

- a baccalaureate degree from a regionally accredited institution in the U.S. or an international equivalent degree
- a minimum GPA of 3.00 (4.00 scale) that was earned in the student's last 60 hours of the bachelor's program
- a GRE test score
- proof of English language proficiency*

*A TOEFL is required for applicants whose native language is not English. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<http://animalbehavior.asu.edu/>
LSC 226
SOLS.grad@asu.edu
480-965-1768

Anthropology, PHD (LAANTHRPHD)

Online Degree Search Title: Anthropology (PhD)

Campus: TEMPE

Program Description:

The School of Human Evolution and Social Change is an excellent choice for students wanting to pursue a PhD in the classic fields of anthropology:

- archaeology
- bioarchaeology
- evolutionary anthropology
- sociocultural anthropology

It is also an ideal environment for students who want to combine these approaches and other disciplines to explore specific issues or research questions within a transdisciplinary context. Our flexible graduate curricula are designed to encourage students to design innovative plans of study, to pursue their interests while receiving broad training in key areas. The anthropology faculty actively engage with faculty in other disciplines, including:

- applied mathematics
- chemistry
- environmental economics
- epidemiology
- formal modeling
- genetics
- sociology
- sustainability
- technology and society
- urban planning

The training students receive in this program prepares them to become expert scholars able to contribute not only to their chosen field, but to finding solutions to humankind's greatest challenges.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Students entering with a master's in a related field may be granted up to 30 credit hours toward the 84 hours required for the doctorate. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission.

Students entering without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a 3.20 (out of 4.00) average GPA in their courses, and complete degree requirements per the program's satisfactory progress policy.

Admission Requirements:

Students must submit an online Graduate Education application. The application deadline is Dec. 1 for admission in the following fall. There is no spring admission. In addition to the general requirements for admission to Graduate Education, applicants must also provide:

- statement of purpose outlining career and educational goals
- current curriculum vitae or resume
- optional sample of their written work
- three letters of recommendation
- official GRE scores
- transcripts of all undergraduate and graduate course work

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Undergraduate course work in anthropology is not a prerequisite for admission, but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Anthropology (Complex Adaptive Systems Science), PHD (LAANTHCPHD)

Online Degree Search Title: Anthropology (Complex Adaptive Systems Science) (PhD)

Campus: TEMPE

Program Description:

The School of Human Evolution and Social Change is an excellent choice for students wanting to pursue a PhD in the classic fields of anthropology:

- archaeology
- bioarchaeology
- evolutionary anthropology
- sociocultural anthropology

It is also an ideal environment for students who want to combine these approaches and other disciplines to explore specific issues or research questions within a transdisciplinary context. Our flexible graduate curricula are designed to encourage students to design innovative plans of study to pursue their interests while receiving broad training in key areas. The anthropology faculty actively engage with faculty in other disciplines, including:

- applied mathematics
- chemistry
- environmental economics
- epidemiology
- formal modeling
- genetics
- sociology
- sustainability
- technology and society
- urban planning

The training students receive in this program prepares them to become expert scholars able to contribute not only to their chosen field, but to finding solutions to humankind's greatest challenges.

The complex adaptive systems science doctoral concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive systems science at Arizona State University and emphasizes the value of a complex adaptive perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will be fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Students entering with a master's in a related field may be granted up to 30 credit hours toward the 84-hour total required for the doctorate. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission.

Students entering without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a 3.20 (out of 4.00) average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in complex adaptive systems science, 12 credit hours will be selected from an approved list of applicable courses related to complexity.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study, and typically will have a member of the complex adaptive systems science graduate faculty as a member of their doctoral supervisory committee.

Admission Requirements:

Students must submit an online application to Graduate Education. The application deadline is Dec. 1 for admission in the following fall. There is no spring admission. In addition to the general requirements for admission to Graduate Education, applicants must also provide:

- current curriculum vitae or resume
- official GRE scores
- optional sample of their written work
- statement of purpose outlining career and educational goals
- three letters of recommendation
- transcripts of all undergraduate and graduate course work, with a minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Undergraduate course work in anthropology is not a prerequisite for admission, but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Anthropology (Urbanism), PHD (LAURBPHD)

Online Degree Search Title: Anthropology (Urbanism) Phd

Campus: TEMPE

Program Description:

The School of Human Evolution and Social Change is an excellent choice for students wanting to pursue a PhD in the classic fields of anthropology:

- archaeology
- bioarchaeology
- evolutionary anthropology
- sociocultural anthropology

It is also an ideal environment for students who want to combine these approaches and other disciplines to explore specific issues or research questions within a transdisciplinary context. Our flexible graduate curricula are designed to encourage students to design innovative plans of study to pursue their interests while receiving broad training in key areas. The anthropology faculty actively engage with faculty in other disciplines, including:

- applied mathematics
- chemistry
- environmental economics
- epidemiology
- formal modeling
- genetics
- sociology
- sustainability
- technology and society
- urban planning

The training students receive in this program prepares them to become expert scholars able to contribute not only to their chosen field but to finding solutions to humankind's greatest challenges.

The concentration in urbanism will leverage the varied interests in urbanism and help emerging scholars as they attempt to compare, contrast and

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take stock of urbanism. Working with faculty from across a range of departments and programs at ASU, doctoral students will be able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's in a related field may be granted up to 30 credit hours toward the 84-hour total required for the doctorate. This leaves 30 hours of course work, 12 hours of research credit, and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission.

Students entering without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a 3.20 (out of 4.00) average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in urbanism, 15 credit hours will be selected from an approved list of applicable courses related to urbanism. These courses will include the core urbanism course, GCU 516, as well as one course from each of the four urbanism clusters. These clusters are:

- built form
- culture and society
- institutions and governance
- natural environment

Admission Requirements:

Students must submit an online Graduate Education application. The application deadline is Dec. 1 for admission in the following fall. There is no spring admission. In addition to the general requirements for admission to Graduate Education, applicants must also provide:

- statement of purpose outlining career and educational goals
- current curriculum vitae or resume
- optional sample of the applicant's written work
- three letters of recommendation
- official GRE scores
- transcripts of all undergraduate and graduate course work

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Undergraduate course work in anthropology is not a prerequisite for admission, but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Applied Behavior Analysis, MS (LAAPBAMS)

Online Degree Search Title: Applied Behavior Analysis (MS)

Campus: TEMPE

Program Description:

Offered by the Department of Psychology, this program is a full-time, scientifically based, two-year program that meets the Behavior Analyst Certification Board Fourth Edition Task List for course work with more than 270 classroom hours and 1,500 hours of practicum fieldwork. Successful graduates will be able to sit for BACB certification and once certified, they will be eligible for state-licensing. The program's learning outcomes include mastery across three major areas:

- basic behavior-analytic skills
- client-centered responsibilities

- foundational knowledge

Students will be trained to acquire knowledge of and effectively practice the following:

- use of different measurement types, fundamental elements of behavior change and behavior change procedures and systems
- development of experimental designs
- behavior problem identification, assessment and intervention
- identification of key concepts such as stimuli, responses, punishment, reinforcement and types of conditioning
- professional ethics and behavior analytic philosophies such as determinism, pragmatism and empiricism

Degree Requirements: 42 Credit hours including the required applied project course (PSB 593).

The program requires

Core Courses: 24 credit hours

PSB 501 Basic Principles of Applied Behavior Analysis (ABA) (3)

PSB 510 Basic Principles of Experimental Analysis of Behavior (2)

PSB 511 Advanced Research Methods (2)

PSB 520 Ethical Issues and Professional Standards in ABA (3)

PSB 530 Behavioral Observation and Functional Assessment (3)

PSB 540 Development of Applied Behavioral Intervention Programs (3)

PSB 563 Basic Principles of Organizational Behavior Management (OBM) (2)

PSB 573 Advanced Principles of Learning and Analysis of Behavior (3)

PSB 578 Applied Behavior Analysis in Developmental Disorders (3)

Elective or Research Courses: 4 credit hours

PSB 591 Seminar (2)

PSB 598 Special Topics (elective) (2)

Culminating Experience: 5 credit hours

PSB 593 Applied Project (5)

Other Requirements: 9 credit hours

PSB 580 Practicum: Applied Behavior Analysis (4)

PSB 583 Fieldwork: Applied Behavior Analysis (5)

Admission Requirements:

In addition to submitting an online Graduate Education application, prospective students must also must provide documentation that meets the following requirements:

- bachelor's degree in psychology, human development, sociology or a closely related field from a regionally accredited college or university in the United States or an equivalent degree from a recognized international postsecondary institution
- a minimum 3.00 cumulative GPA (where 4.00 = A) in the last 60 hours of the student's bachelor degree program
- proof of English proficiency*
- official transcripts from each college or university attended
- GRE scores
- statement of purpose describing professional and academic aspirations
- a current resume or curriculum vitae and at least two letters of recommendation, one of which should be from a tenure-track faculty member associated with the applicant's most recent degree program**

*Applicants whose native language is not English (regardless where they may now reside) must provide proof of English proficiency.

**If the applicant's graduation year is greater than five years from the application date, then a letter from a recent or current employer may be substituted. For example, if the applicant received a bachelor's degree in 2006 and is applying in 2014, then a letter from an employer may be used instead of a letter from a faculty member. No more than four letters of recommendation may be submitted.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Deadline: All application materials - including the Graduate Education online application, letters of recommendation and supporting documents - must be received by March 1. Applications will not be reviewed or considered until complete. Admission is for fall only; there is no spring start date for the program.

Contact Information:

Liberal Arts & Sciences, College of
Department of Psychology
<https://psychology.clas.asu.edu/master-science-applied-behavior-analysis>
PSY 237
msabapsych@asu.edu
480-965-4646

Applied Ethics and the Professions (Biomedical and Health Ethics), MA (LAAEPMEMA)

Online Degree Search Title: Applied Ethics (Biomedical and Health Ethics) MA

Campus: TEMPE

Program Description:

Medicine is infused with moral values and is deeply embedded in a variety of social and cultural contexts, which significantly determine the effectiveness of medical care in achieving healthy outcomes for patients and populations. The objective of the biomedical and health ethics concentration is to integrate academic and clinical dimensions of moral issues in medical practice and biomedical research. Students from a broad range of backgrounds will be exposed to the internal and external logics of medicine, health care and biotechnology and will gain substantive understanding of ethical, cultural and societal issues in a variety of domains. Through course work and other experiences, students will deliberate individually and collectively about a wide range of issues and problems in contemporary medicine and the history of medicine; develop advanced critical normative reasoning and judgment capacities; and cultivate effective communication skills for academic, clinical and policy contexts.

Degree Requirements: 30 credit hours including the required applied project course (AEP 593).

All students are required to complete graduate course work distributed as follows:

required core course (3)

required concentration course (3)

elective concentration courses (18)

required capstone courses (6)

The required core course for students across all concentrations in the MA applied ethics and the professions program is AEP 501 Foundations of Academic Catalog Archive 2014-2015 466

Ethics (3) (online), which provides students with the theoretical and historical bases to pursue specialized applied ethics education.

The required concentration course introduces the students into basic concepts and practices of their field. In biomedical and health ethics, the required concentration course is BIO 516, which focuses on practices and products of bioethics.

Required Core Course:

AEP 501 Foundations of Ethics (3) (online)

Required Concentration Course:

BIO 516 Foundations of Bioethics (3)

Electives for this Concentration: (18)

select six courses from the following list:

AEP 551 Ethical and Spiritual Approaches to Death and Dying (3)

ASB/SSH 501 Ethics, Social Justice and Health Social Science (3)

ASB 502 Health of Ethnic Minorities (3)

ASB 509 Health: Social and Biocultural Theory (3)

ASB 511 Ethics in Health Social Science Research (3)

BIO 598 Health Systems and Policy (3)

HSD 591 Ethics and Emerging Technologies (3)

LAW 617 Genetics and the Law (3)

LAW 652 Bioethics and the Law (3)

LAW 791 Neuroscience and the Law (3)

MHI 550 Healthcare Policy and Innovation (3)

NTR 598 Topic: Politics, Ethics and the American Diet (3)

PHI 591/LAW 791/BIO 591 Research Ethics and Law (3)

REL 598 Medical Ethics: Religious and Secular (3)

WST 598 Gender and Global Health Disparities (3)

Other Electives:

Graduate seminars in other disciplines may be on topics that are relevant to one or more of the concentrations and may be used as electives for the master's in applied ethics and the professions, with the approval of the program of one of the concentrations and the approval of the instructor of the seminar.

Required Capstone Course:

AEP 593 Applied Project (3)

Admission Requirements:

General admission requirements are as follows:

- all documentation submitted via the ASU Graduate Education online application
- B" (3.00) undergraduate GPA
- TOEFL score or comparable proof of English proficiency for applicants whose native language is not English (regardless of where they may now reside)
- personal statement of interest and qualification
- resume
- two letters of recommendation

Note: No GRE is required, except for the ethics and emerging technologies concentration, which is required unless this requirement has been waived by the director.

For more information on the specifics, please see the Graduate Education office.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Students should also refer to the college of the concentration they are interested in for additional details.

Contact Information:

Liberal Arts & Sciences, College of

School of Life Sciences

<https://sols.asu.edu/>

Applied Linguistics, PHD (EDAPLPHD)

Online Degree Search Title: Applied Linguistics (PHD)

Campus: TEMPE

Program Description:

Applied linguistics combines research topics in the linguistics sciences and education to pursue principled approaches to language-related concerns. The applied linguistics PhD program at Arizona State University is focused on simultaneous and developmental bilingualism in children and adolescents. Faculty participate in the program from within multiple curricular units across the institution's four campuses. The program encourages interdisciplinary study, and its flexible requirements enable students to pursue those aspects of the disciplines that interest them the most. The program prepares students for entrance into the field as teachers, scholars and professionals.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

There must be a minimum of 54 credit hours beyond the master's level, including a minimum of 12 units of dissertation credit. All students in the program must satisfy 18 units of foundation course work.

Because applied linguistics is interdisciplinary in nature, applicants may differ from one another with regard to their prior experience and preparation. For instance, while some applicants may have substantial prior training in core theoretical linguistics (foundations) others may have considerable preparation in an area related to a supported concentration. Students should consult the program director for assistance in planning their degree programs. The program director may address potential redundancies in a student's program requirements with prior academic preparation by allocating a maximum of 30 credit hours from an awarded and approved graduate degree toward the applied linguistics program requirements, or the director may permit the student to take additional elective courses in lieu of introductory courses covered in an undergraduate program.

Foundation Course Work: (18 credit hours)

- Overview of the Field: A three-credit course providing a survey of the field of applied linguistics is required. (3)
- Linguistics: Course work in theoretical linguistics, including one approved linguistics elective, is required. (15)

Teaching Internship: (1 credit hour)

Colloquia: A four-semester sequence of two-credit colloquium meetings is required for students in the first two years. (8 credit hours)

Research Methods: Students must take two courses in research methods, selected in consultation with the advisor. (6 credit hours)

Research Specialization: In consultation with the program director, students take 11 three-credit courses in their field of specialization. (33 credit hours)

Breadth: Two courses in a secondary concentration area are required. (6 credit hours)

Dissertation: (12 credit hours)

An oral defense of the dissertation is required.

Language Requirement: Students in the applied linguistics doctoral program must demonstrate proficiency in a second language equivalent to two years of study. A language appropriate to the student's area of interest is selected in consultation with the advisor. The language requirement must be satisfied, by examination or course work, prior to advancement to candidacy. Computer or other nonhuman languages may not be used to satisfy this requirement. Students for whom English is a second language may use their first language to satisfy the requirement by examination. Course credit used to satisfy the language requirement cannot be used to satisfy other program requirements and cannot be counted toward the total required 84 credits.

Admission Requirements:

Applicants must submit an online Graduate Education application.

The application must include:

- academic writing sample that provides good evidence of writing ability
- official GRE scores and transcripts of all undergraduate and graduate course work
- resume or curriculum vitae

- statement of interest outlining career and research goals
- three letters of recommendation addressing the student's academic promise for the program

Applications are due Jan. 15 for fall admission.

Students must have completed a bachelor's from a regionally accredited institution or university of recognized standing prior to admission into the program. Because applied linguistics is an interdisciplinary field, applicants with prior academic preparation in any field are welcome.

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of the Graduate Education office and the College of Liberal Arts and Sciences. International students should refer to the Department of English webpage for English proficiency requirements <http://english.clas.asu.edu/gradstudies-international> (<http://english.clas.asu.edu/gradstudies-international>).

Please see the program's website for additional information.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu/gradstudies-phdappling>
LL 543B
enggrad@asu.edu
480-965-3194

Applied Mathematics, PHD (LAAPMPHD)

Online Degree Search Title: Applied Mathematics (PHD)

Campus: TEMPE

Program Description:

The PhD includes rigorous training in fundamental applied mathematics and its application to real-world problems in fields such as:

- biology
- geology
- physics
- various engineering disciplines

All students will participate in individual and collaborative research.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The program consists of 84 credit hours that must include:

five core courses (15)

MAT 591 Seminar (3)

MAT 799 Dissertation (12)

Students must pass a written comprehensive examination and an oral dissertation prospectus. Each student must write a dissertation and defend it orally in front of five dissertation committee members. See the department website for examination information.

Admission Requirements:

Applicants must submit:

- Graduate Education online application
- official general GRE scores
- official transcripts
- statement of education and career goals
- three letters of recommendation

Minimum background for consideration of admission to the doctoral program in applied mathematics includes:

- hold a bachelor's in mathematics, applied mathematics, economics, engineering or a natural science from a regionally accredited university with a 3.00 GPA (on a 4.00 scale)
- be competitive in an applicant pool as evidenced by course work in linear algebra (equivalent to ASU course MAT 342 or MAT 343) and advanced calculus (equivalent to ASU course MAT 371)

- have scientific programming skills (desirable)

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
 School of Mathematical and Statistical Sciences
<http://math.asu.edu>
 PSA 216
grad.math@asu.edu
 480-965-3951

Applied Mathematics for the Life & Social Sciences, PHD (LAAMLPHD)

Online Degree Search Title: Applied Mathematics for the Life and Social Sciences (PhD)

Campus: TEMPE

Program Description:

The applied mathematics for the life and social sciences PhD focuses on the training of researchers working on scientific questions at the interface of the mathematical, life and social sciences. Graduates of the program will be making innovative and far-reaching scientific contributions that rely on the cutting-edge computational mathematical and modeling approaches. This degree focuses on producing quantitative scientists and applied mathematicians conducting high-level interdisciplinary and crossdisciplinary research. The program's faculty includes mathematicians, statisticians, theoretical biologists and social scientists from five different schools at Arizona State University.

There is a high demand for first-rate scientists, researchers and faculty interested in meeting the challenges faced by communities in the 21st century and by research and planning programs at institutions with the mission to address global challenges. Arizona and the nation's health, environmental and natural resource challenges are urgently in need of a large pool of researchers with these interdisciplinary skills.

There are three tracks a student can follow:

- applied mathematics: more in-depth focus on the tools as applied to the life and social sciences, i.e., on dynamical systems, computational and numerical methods, simulation and mathematical analysis
- life sciences: focus on understanding the tools for representing the structure and operation of complex biological and ecological processes
- social sciences: focus on understanding the tools for representing the structure and operation of complex social systems and processes

By offering courses that enhance interdisciplinary exchanges and collaboration among the faculty and students interested in addressing questions of social relevance, the program builds upon foundations already established in:

- bioinformatics
- computational sciences
- ecology
- genomics
- mathematical analysis
- mathematical epidemiology
- nonlinear dynamics
- population dynamics
- social science fields

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's in a related field may be granted up to 30 credit hours toward the 84-hour total required for the doctorate. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned postadmission.

Students entering the program without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing in the later stage of the doctoral program.

All students must maintain a 3.20 (out of 4.00) average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

All students are required to complete a sequence of core courses. The core competencies consist of:

- core math skills

- deterministic modeling or computational methods
- math biology
- statistics and probability
- stochastic modeling

Admission Requirements:

Students must submit an online application to Graduate Education. The application deadline is Dec. 1 for admission in the following fall. There is no spring admission. In addition to the general requirements for admission to Graduate Education, applicants must also provide:

- statement of purpose outlining career and educational goals
- current curriculum vitae or resume
- optional sample of their written work
- three letters of recommendation
- official GRE scores
- transcripts of all undergraduate and graduate course work

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Prior to admission, students should have completed at a 300 or 400 level a minimum of the following:

- 15 hours of mathematics or statistics
- nine hours of life sciences and social sciences course work at the senior or college graduate level
- no fewer than three hours each of life sciences and social sciences course work

A master's in the social sciences (e.g., anthropology, gender studies, geography, sociology), life sciences or related fields (e.g., biology, ecology, genomics), applied mathematics, mathematics or statistics is preferred.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Applied Mathematics for the Life and Social Sciences (Complex Adaptive Systems Science), PHD (LAAMLCPHD)

Online Degree Search Title: Applied Math for the Life and Social Sciences (Complex Adaptive Sys Science) PhD

Campus: TEMPE

Program Description:

The applied mathematics for the life and social sciences PhD focuses on the training of researchers working on scientific questions at the interface of the mathematical, life and social sciences. Graduates of the program will be making innovative and far-reaching scientific contributions that rely on the cutting-edge computational mathematical and modeling approaches. This degree focuses on producing quantitative scientists and applied mathematicians conducting high-level interdisciplinary and crossdisciplinary research. The program's faculty includes mathematicians, statisticians, theoretical biologists and social scientists from five different schools at Arizona State University.

There is a high demand for first-rate scientists, researchers and faculty interested in meeting the challenges faced by communities in the 21st century and by research and planning programs at institutions with the mission to address global challenges. Arizona and the nation's health, environmental and natural resource challenges are urgently in need of a large pool of researchers with these interdisciplinary skills.

There are three tracks a student can follow:

- applied mathematics: more in-depth focus on the tools as applied to the life and social sciences, i.e., on dynamical systems, computational and numerical methods, simulation and mathematical analysis
- life sciences: focus on understanding the tools for representing the structure and operation of complex biological and ecological processes
- social sciences: focus on understanding the tools for representing the structure and operation of complex social systems and processes

By offering courses that enhance interdisciplinary exchanges and collaboration among the faculty and students interested in addressing questions of social relevance, the program builds upon foundations already established in:

- bioinformatics

- computational sciences
- ecology
- genomics
- mathematical analysis
- mathematical epidemiology
- nonlinear dynamics
- population dynamics
- social science fields

The complex adaptive systems science concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing university-wide research on complex adaptive system science at Arizona State University and emphasizes the value of a complex adaptive perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will be fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Students entering with a master's in a related field may be granted up to 30 credit hours toward the 84-hour total required for the doctorate. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned postadmission.

Students entering the program without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctoral program.

All students must maintain a 3.20 (out of 4.00) average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in complex adaptive systems science, six credit hours will be selected from an approved list of applicable courses related to complexity.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study, and typically will have a member of the complex adaptive system science graduate faculty as a member of their doctoral supervisory committee.

Admission Requirements:

Students must submit an online application to Graduate Education. The application deadline is Dec. 1 for admission in the following fall. There is no spring admission. In addition to the general requirements for admission to Graduate Education, applicants must also provide:

- statement of purpose outlining career and educational goals
- current curriculum vitae or resume
- optional sample of their written work
- three letters of recommendation
- official GRE scores
- transcripts of all undergraduate and graduate course work, with a minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program

Applicants whose native language is not English (regardless of where they now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Prior to admission, students should have completed, at a 300 or 400 level, a minimum of the following:

- 15 hours of mathematics or statistics
- nine hours of life sciences and social sciences course work at the senior or college graduate level
- no fewer than three hours each of life sciences and social sciences course work

A master's in the social sciences (e.g., anthropology, sociology, gender studies, geography), life sciences or related fields (e.g., biology, genomics, ecology), applied mathematics, mathematics or statistics is preferred.

Contact Information:

Liberal Arts & Sciences, College of
 School of Human Evolution & Social Change
<http://shesc.asu.edu/>
 SHESC 233
shescgrad@asu.edu

Asian Languages and Civilizations (Chinese), MA (LACHINAMA)

Online Degree Search Title: Asian Languages/Civilizations (Chinese) MA

Campus: TEMPE

Program Description:

The Chinese graduate program in the School of International Letters and Cultures offers an Master of Arts degree with a focus in one of two areas:

- area 1: literature, linguistics and culture
- area 2: pedagogy

Area 1 seeks to prepare students for further academic training, for entrance to professional schools in such fields as law, business or journalism, and for a general level of knowledge about the languages and cultures of China as an asset to a professional career. Area 2 is intended for students whose major interest is in teaching modern Chinese in K-16 environments.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required applied project course (CHI 593).

The plan of study for the master's includes a minimum of 30 credit hours of graduate-level work, as approved by the candidate's supervisory committee, a thesis or an applied project option. The plan must include a 500-level bibliography and research methods course offered by the department. When approved by the candidate's supervisory committee, nine hours of advanced-level work in another language or in closely related courses may be included in the plan. Students who are primarily interested in teaching at the secondary or community college levels may select a plan of study with a concentrating in language pedagogy.

Admission Requirements:

Students interested in applying to the program must submit a Graduate Education online application. Candidates for the master's should, upon entrance, present the equivalent of an undergraduate major in the language in which the degree is sought. Those who lack this background, but who show strong potential and meet Graduate Education admission requirements, including those with regard to English proficiency, may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular plan of study for the master's degree.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

See the department website for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/graduate/asian-languagescivilizations-chinese-ma>
LL 440
silc@asu.edu
480-965-6281

Asian Languages and Civilizations (Japanese), MA (LAJAPANMA)

Online Degree Search Title: Asian Languages/Civilizations (Japanese) MA

Campus: TEMPE

Program Description:

The Asian languages faculty in the School of International Letters and Cultures offers a graduate program leading to an MA in Asian languages and civilizations (Japanese). In addition to preparing some students for further academic training, the program helps to prepare students for jobs relating to Japan (in fields such as law, business or journalism) and for entrance into professional schools.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required applied project course (JPN 593).

The plan of study for the MA includes a minimum of 30 credit hours of graduate-level work and a thesis, as approved by the candidate's supervisory committee, or 27 credit hours of course work and 3 credit hours of applied project. The plan must include a 500-level bibliography and research methods course offered by the department. When approved by the candidate's supervisory committee, nine hours of advanced-level work in

another language or in closely related courses may be included in the plan.

Students who are primarily interested in teaching at the secondary or community college levels may select a plan of study with an area of study in language pedagogy. Students seeking a master's in Asian languages and civilization should consult with their Graduate Education representative. In keeping with the idea of in-situ experience as a key ingredient for advanced intellectual understanding, all degree candidates must have spent at least nine continuous months in a Japanese language environment within four years of entering the program.

Admission Requirements:

Students interested in applying to this program must submit an online Graduate Education application.

Candidates for the program should, upon entrance, present the equivalent of an undergraduate major in the language in which the degree is sought. Those who lack this background, but who show strong potential and meet Graduate Education admission requirements, may be admitted to a graduate program on a conditional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular plan of study for the master's degree.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

See the School of International Letters and Cultures website for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/graduate/asian-languagescivilizations-japanese-ma>
LL 440
silc@asu.edu
480-965-6281

Asian Studies (certificate), Certificate (LAASIANCE)

Online Degree Search Title: Asian Studies (Grad Certificate)

Campus: TEMPE

Program Description:

The graduate certificate in Asian studies offers graduate students an interdisciplinary specialization in Asian language and area studies. The certificate is available in two tracks:

- East Asia (China, Japan and Korea)
- Southeast Asia (Indonesia, Laos, Thailand and Vietnam)

Degree Requirements: 18 credit hours.

The certificate requires completion of 18 credit hours, distributed among the following areas:

core course requirements

electives

language proficiency requirement

a thesis or capstone project on a topic related to the student's region of emphasis and selected in consultation with the student's faculty mentor

Some courses may be applied to the certificate and the student's degree program.

Admission Requirements:

Graduate students in any discipline may pursue a certificate in Asian studies in conjunction with their degree programs. This program is also open to students who already hold graduate degrees.

Applicants must submit a Graduate Education online application.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://car.clas.asu.edu/certificate-programs/>
COOR 6651
car@asu.edu
480-727-3766

Astrophysics, MS (LAASTPHMS)

Online Degree Search Title: Astrophysics (MS)

Campus: TEMPE

Program Description:

The program provides fundamental graduate training in astrophysics to prepare candidates for further graduate study or careers in astrophysics, such as:

- scientific staff positions at government laboratories
- teaching at the community college level
- technical positions in industry

Degree Requirements: 30 credit hours and a thesis.

20 credit hours are structured courses. The student, with the approval of the advisor and supervisory committee (formed upon enrollment), selects courses that make up a coherent plan of study. For students in the astrophysics program, course work consists of:

AST 521 Stars and Interstellar Medium I (3)

AST 522 Stars and Interstellar Medium II (3)

AST 523 Stars and Interstellar Medium III (3)

AST 531 Galaxies and Cosmology I (3)

AST 532 Galaxies and Cosmology II (3)

AST 533 Galaxies and Cosmology III (3)

These courses are combined with additional work in core fields such as physics or mathematics and provide comprehensive graduate training in the major fields of astrophysics. All students in the School of Earth and Space Exploration are also required to take two one-credit seminars:

GLG 500 SESE Colloquium (1)

GLG 591 Faculty Research Seminar (1)

Students are expected to exhibit mastery of topics in these core fields and may be required by their advisor and committee to include such courses in their plan of study. Specific course requirements may be waived by the advisor and the graduate oversight committee if the student has successfully completed equivalent courses at universities elsewhere. Individual plans of study that include work in related fields may also be designed with advisor approval, subject to the requirements of Graduate Education.

The master's plan of study also includes six credit hours of thesis credit or AST 599. Students must follow Graduate Education policies and procedures for admission to the program and for fulfilling the requirements of the degree.

Thesis requirements: A thesis based on observational, theoretical, laboratory or literature research in astrophysics is required.

Final Examination: A final oral examination in defense of the thesis is required.

Admission Requirements:

Applicants must submit all materials electronically through the Graduate Education online application. In addition to the materials required by Graduate Education, students applying for admission to the master's program in astrophysics must submit:

- scores on the general GRE
- scores on the physics GRE
- statement of purpose
- three letters of recommendation

Applicants whose native language is not English, regardless of where they now reside, must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

The deadline for applications for the fall term is Dec. 15 of the previous year.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
ISTB4 795
seseinfo@asu.edu
480-965-5081

Astrophysics, PHD (LAASTPHPHD)

Online Degree Search Title: Astrophysics (PhD)

Campus: TEMPE

Program Description:

The PhD in astrophysics program is designed to develop creative scholarship and prepare students for professional careers in astrophysics, astronomy or related fields.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students may be admitted into the program with a bachelor's or master's in a related field. Up to 30 credit hours of master's-level work in a related field can be accepted toward the fulfillment of the doctoral requirements.

The plan of study for the doctorate will be selected with the recommendation of the student's supervisory committee. Each plan of study must include 12 credit hours of dissertation and a minimum of 25 hours of course work. For students in the astrophysics program, required course work includes:

AST 521 Stars and Interstellar Medium I (3)

AST 522 Stars and Interstellar Medium II (3)

AST 523 Stars and Interstellar Medium III (3)

AST 531 Galaxies and Cosmology I (3)

AST 532 Galaxies and Cosmology II (3)

AST 533 Galaxies and Cosmology III (3)

These courses are combined with additional work in core fields such as physics or mathematics and provide comprehensive graduate training in the major fields of astrophysics. All students in the School of Earth and Space Exploration are also required to take two one-credit seminars:

GLG 500 SESE Colloquium (1)

GLG 591 Faculty Research Seminar (1)

Specific course requirements may be waived by the advisor and the graduate oversight committee if the student has successfully completed equivalent courses at universities elsewhere. Individual plans of study that include work in related fields may also be designated with advisor approval, subject to the requirements of the Graduate Education office.

Comprehensive examination: The student's supervisory committee will determine the content of the comprehensive examination, consisting of a written and an oral examination.

Dissertation requirements: A dissertation is required, which is based on original work demonstrating creativity in research and scholarly proficiency in the subject area.

Final examination: A final oral examination in defense of the dissertation is required.

Admission Requirements:

Applicants must submit all materials electronically through the Graduate Education online application.

In addition to the materials required by ASU Graduate Education, students applying to the doctoral program in astrophysics must submit:

- scores on the general GRE
- scores on the GRE physics subject test
- statement of purpose
- three letters of recommendation

Applicants whose native language is not English (regardless of where they now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

The application deadline for fall semester is Dec. 15 of the previous year.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
ISTB4 795
seseinfo@asu.edu
480-965-5081

Atmospheric Science (certificate), Certificate (LAATMOSCE)

Online Degree Search Title: Atmospheric Science (Grad Certificate)

Campus: TEMPE

Program Description:

The interdisciplinary certificate in atmospheric science program is administered by an executive committee composed of faculty from the Ira A. Fulton Schools of Engineering and the College of Liberal Arts and Sciences. The objective of this program is to recognize ASU graduate students who specialize in a thesis or dissertation topic related to the atmospheric or oceanic sciences.

Students must complete a dissertation on a topic related to the atmospheric or oceanic sciences under the supervision of a faculty member from one of the cooperating departments.

Degree Requirements: 16 credit hours.

A minimum of 16 credit hours will be required in order to qualify for the atmospheric science certificate, consisting of:

- three three-credit courses from a list of courses in the core disciplines (9)
- two three-credit courses from a list of electives at the 400 level or above (6)
- a capstone seminar (1)

Considering the diversity of courses and in order to ensure an interdisciplinary flavor, all prospective recipients will have their certificate program approved by the certificate executive committee. Certificates will only be awarded to students who are enrolled in an MA, MS, MNS or PhD program at ASU. The student's thesis or dissertation must also be related to some aspect of atmospheric science.

The core courses are offered at least once every other year, so the certificate may be completed within two years.

Specific requirements are:

- approval by the certificate committee of the student's proposed course selection
- completion of one course from each of the core disciplines with a grade of "B" (3.00) or better
- completion of two courses from the list of electives with a grade of "B" (3.00) or better
- completion of the capstone seminar, which is one credit hour
- completion of a dissertation on a topic related to the atmospheric or oceanic sciences

Admission Requirements:

In order to apply to a graduate program, the applicant must complete the Graduate Education online application and meet all other requirements, including those with regard to English proficiency (for applicants whose native language is not English, regardless of where they may now reside), to be admitted to graduate study at ASU.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu>
COOR 5671
geoplan@asu.edu
480-965-7533

Biochemistry, MS (LABIOCHMS)

Online Degree Search Title: Biochemistry (MS)

Campus: TEMPE

Program Description:

The faculty in the Department of Chemistry and Biochemistry offer a program leading to the MS in biochemistry. The program offers a wide range of

active research with an emphasis on contemporary and interdisciplinary study in the areas of biochemistry, life sciences and other biochemistry-related fields. Drug design and protein chemistry, nanobiotechnology, biogeochemistry, medicinal chemistry and RNA-protein interactions are a few of the many topics currently being researched.

See <http://chemistry.asu.edu/graduate/facultyResearch.asp> (<http://chemistry.asu.edu/graduate/facultyResearch.asp>) for information on faculty research and the state-of-the art facilities available for conducting high-quality investigations. The master's in biochemistry prepares students for professional careers in industry, government and educational institutions.

Degree Requirements: 30 credit hours and a thesis.

The program consists of course work and seminars selected by the student in consultation with the student's supervisory committee and based on the student's area of research. A written thesis is required and must be successfully defended during a public final oral defense. Students must maintain a minimum GPA of 3.00 or better. A total of 30 credit hours must be completed for the plan of study and includes:

500 level or above courses as approved by the department (12)

BCH 592 research courses (8)

BCH 501 or CHM 501 seminar or other seminar course as approved by the department (4)

BCH 599 Thesis (6)

Total: 30 credit hours

A program fee in the amount of \$300 per semester is required in addition to the normal tuition costs.

Admission Requirements:

All applicants must submit an online Graduate Education application and must meet the requirements set by Graduate Education which can be found on Graduate Education website. The Department of Chemistry and Biochemistry requires official GRE scores be sent directly to Graduate Education by the Educational Testing Service. The subject test is not required but may be submitted to support the applicant's academic record.

In addition to the Graduate Education admission application, applicants must complete an online departmental supplemental application. Information on the supplemental application can be found on the department website: <http://chemistry.asu.edu/graduate/applicantInfo.asp> (<http://chemistry.asu.edu/graduate/applicantInfo.asp>).

Applicants whose native language is not English (regardless of where they live now) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
Department of Chemistry and Biochemistry
<http://chemistry.asu.edu/graduate>
PSC 112
chmgrad@asu.edu
480-965-4664

Biochemistry, PHD (LABIOCHPHD)

Online Degree Search Title: Biochemistry (PhD)

Campus: TEMPE

Program Description:

The graduate faculty in the Department of Chemistry and Biochemistry offer a program leading to the PhD in biochemistry. The program offers a wide range of active research with an emphasis on contemporary and interdisciplinary study in the areas of biochemistry, life sciences and other biochemistry-related fields. A few of the many topics currently being researched:

- bioanalytical chemistry
- bio-organic chemistry
- biophysical chemistry
- chemical education
- environmental and geochemistry
- inorganic and materials chemistry

In addition to a broad range of individual research topics, the department also has a number of interdisciplinary programs:

Energy Frontier Research Center for Bio-Inspired Solar Fuel Production (<http://chemistry.asu.edu/news/DeptHighlights.asp#5>) (<http://chemistry.asu.edu/news/DeptHighlights.asp#5>))

Center for Membrane Proteins in Infectious Diseases, MPID (<http://chemistry.asu.edu/news/Faculty.asp#6>) (<http://chemistry.asu.edu/news/Faculty.asp#6>))

NASA Astrobiology Institute Team. "Follow the Elements" (<http://astrobiology.asu.edu>) (<http://astrobiology.asu.edu/>)

The faculty also participate in a number of other interdisciplinary programs leading to the doctorate. See <http://chemistry.asu.edu/graduate/facultyResearch.asp> (<http://chemistry.asu.edu/graduate/facultyResearch.asp>) on faculty research and <http://chemistry.asu.edu/graduate/facilities.asp> (<http://chemistry.asu.edu/graduate/facilities.asp>) for state-of-the-art facilities available for conducting high quality investigations. The doctorate in biochemistry prepares students for professional careers in industry, government and educational institutions.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The program consists of course work and seminars selected by the student in consultation with the student's supervisory committee and based on the student's area of research. Qualifying exams consisting of a written comprehensive exam, an oral comprehensive exam and a prospectus are required to advance to candidacy. Students must successfully defend their dissertation during a public final oral defense. Students must also maintain a minimum GPA of 3.00 or better. A total of 84 credit hours must be completed for the plan of study and includes:

six graduate-level courses

enrollment in a BCH 501/CHM 501 seminar each semester

BCH 792 Research

BCH 799 Dissertation

Admission Requirements:

All applicants must submit an online Graduate Education application and must meet the requirements set by Graduate Education, which can be found on the Graduate Education website. The Department of Chemistry and Biochemistry requires official GRE scores be sent directly to Graduate Education by the Educational Testing Service. The subject test is not required but may be submitted to support the applicant's academic record.

In addition to the Graduate Education admission application, applicants must complete an online departmental supplemental application. Information on the supplemental application can be found on the department website: <http://chemistry.asu.edu/graduate/applicantInfo.asp> (<http://chemistry.asu.edu/graduate/applicantInfo.asp>).

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
Department of Chemistry and Biochemistry
<http://chemistry.asu.edu/graduate/>
PSC 112
chmgrad@asu.edu
480-965-4664

Biochemistry (Medicinal Biochemistry), MS (LABCHMCMS)

Online Degree Search Title: Biochemistry (Medicinal Chemistry) (MS)

Campus: TEMPE

Program Description:

The faculty in the Department of Chemistry and Biochemistry offer a program leading to the MS in biochemistry with a concentration in medicinal chemistry. This program is intended for students who plan to continue their educational training in pharmacy, medical school or a related field and want to expand their background knowledge in biochemistry before beginning their professional education. Students completing the program will be awarded a MS in biochemistry degree with a concentration in medicinal chemistry.

Degree Requirements: 30 credit hours including the required applied project (research paper) course (CHM 593 or BCH 593).

A minimum of 30 credit hours, including course work, seminars, research and an applied project consisting of a written research paper are required. Courses are selected by the student in consultation with their supervisory committee based on the research area. The MS in biochemistry is
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awarded when the student has obtained a minimum cumulative GPA of 3.00 in course work, demonstrated quality performance in the laboratory and completion of the research project, completed and presented an approved research paper at an oral defense to the student's supervisory committee and met all deadline dates and requirements set by Graduate Education.

A program fee in the amount of \$300 per semester is required in addition to the normal tuition.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Accelerated Degrees:

This degree is also offered as an accelerated degree with Biochemistry (Medicinal Chemistry), BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

All students applying for admission to the program must meet the requirements set by Graduate Education and submit a Graduate Education online application. Applicants must have:

- completed a bachelor's degree in chemistry, biochemistry or a related area from a regionally accredited institution
- a cumulative GPA of 3.40 or better in the student's bachelor's degree
- original scores for the GRE*

Application to the Department of Chemistry and Biochemistry includes the completion of the electronic supplemental application providing information on:

- test scores
- a personal statement
- contact information for three letters of recommendation

*The subject test is not required.

Contact Information:

Liberal Arts & Sciences, College of
Department of Chemistry and Biochemistry
<http://chemistry.asu.edu/graduate/>
PS D 103
chmgradl@asu.edu
480-965-4664

Biology, MS (LABIOMS)

Online Degree Search Title: Biology (MS)

Campus: TEMPE

Program Description:

This program is designed to prepare students for careers in teaching and research in educational, medical, industrial and governmental institutions.

Degree Requirements: 30 credit hours and a thesis.

- Courses and research credits can be distributed in any combination appropriate to the student's individual educational goals.
- A final oral examination covering the thesis and related subject matter is administered by the supervisory committee.
- A minimum of 30 credit hours is required.
- Each student's program is prepared in consultation with the supervisory committee, consisting of a professor in the major and two additional faculty members.
- The program must include six hours of thesis and one hour of seminar.
- The remainder of the plan of study usually consists of a mixture of course work; readings, conferences and seminars in the student's primary and related fields; and research credits.
- A typical plan of study consists of six credit hours of thesis, one credit hour of seminar, nine to 15 hours of course work and additional seminars, and eight to 14 credit hours of research credit.

Accelerated Degrees:

This degree is also offered as an accelerated degree with Biological Sciences, BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Applicants must submit a Graduate Education online application. Admission criteria are as follows:

- minimum GPA of 3.00 during the student's last two years or last 60 credit hours
- applicants should have completed the requirements for an undergraduate major in biology or related discipline
- minimum GRE scores in verbal (50th percentile), quantitative (70th percentile), and writing (5)

Test of English as a Foreign Language (TOEFL) score of 600 paper-based or 100 Internet-based is required for applicants whose native language is not English

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<https://sols.asu.edu/graduate-studies/overview>
LSC 226
sols.grad@asu.edu
480-965-1768

Biology, PHD (LABIOPHD)

Online Degree Search Title: Biology (PhD)

Campus: TEMPE

Program Description:

The PhD in biology program allows the student to acquire high research competency in one or more specialized areas while receiving a broad, solid grounding in biological sciences.

Degree Requirements: 84 credit hours, a oral comprehensive exam, a prospectus and a dissertation.

The program is tailored to the needs of the individual student. The plan of study is planned by the student and the supervisory committee, consisting of a major professor and four additional faculty members.

- Eighty-four credit hours are required.
- An oral comprehensive examination is required in order to advance to candidacy, and a formal defense of the final written dissertation is required prior to graduation.
- Twelve hours of dissertation are required.*

*The remaining hours are comprised of course work showing breadth in biology subdisciplines, seminars and research.

Admission Requirements:

Applicants must submit a Graduate Education online application.

Admission criteria are as follows:

- a 3.00 minimum GPA during the student's last two years or last 60 credit hours
- undergraduate requirements met for a major in biology, or related discipline, with an adequate background in related courses in chemistry, mathematical and physical sciences
- minimum GRE scores in verbal (50th percentile), quantitative (70th percentile) and writing (5)
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency in the form of Test of English as a Foreign Language (TOEFL) scores of at least 600 for paper-based or 100 for Internet-based.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of

School of Life Sciences
<https://sols.asu.edu/graduate-studies/overview>
LSC 226
SOLS.grad@asu.edu
480-965-1768

Biology (Biology and Society), MS (LABIOSMS)

Online Degree Search Title: Biology (Biology and Society) (MS)

Campus: TEMPE

Program Description:

With the biology and society concentration under the MS in biology degree program, students may choose a formal track in the areas where biology intersects with society. There are three focus areas:

- bioethics, policy and law
- ecology, economics and ethics of the environment
- history and philosophy of science

The bioethics, policy and law track trains students in the pressing moral, policy and legal issues raised by the biosciences and biomedicine and in the disciplinary methods necessary to address these issues. Ecology, economics and ethics of the environment trains students in the theory and empirical methods for understanding, analyzing and shaping policy for coupled human-natural systems. The history and philosophy of science track trains students in the conceptual foundations of science, especially the epistemological and methodological assumptions that shape science and its progress.

The program is richly interdisciplinary, drawing from the following and other disciplines to develop skills for analyzing and addressing the problems where biology intersects with society:

- anthropology
- bioethics
- biology
- ecology
- economics
- environmental ethics
- environmental studies
- ethics
- history
- history and philosophy of science
- justice studies
- law
- modeling
- nursing
- philosophy
- political science
- religious studies

The concentration tailors individual plans of study to individual needs and interests, with a solid grounding in life and related sciences and with rigorous analytical and multidisciplinary education. The three tracks offer suggested courses for those wishing to focus on these areas.

Degree Requirements: 30 credit hours and a thesis.

An individual student plan is developed in consultation with the student's advisor and committee.

Accelerated Degrees:

This degree is also offered as an accelerated degree with Biological Sciences (Biology and Society), BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Students must submit an online application to Graduate Education. The program also requires a bachelor's degree, a "B" (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work, and scores from the GRE general exam.

Entering students are expected to have completed the equivalent of core requirements for an undergraduate major in biology or a related discipline

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(typically evolution, genetics, and other courses appropriate to the student's particular interests). Students without an undergraduate level competency in the sciences may be considered for conditional admission to the biology and society concentration.

A TOEFL is required for applicants whose native language is not English. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

For information on the application materials, deadlines and tips please see: <https://sols.asu.edu/graduate-studies/degrees/bio-and-society/process> (<https://sols.asu.edu/graduate-studies/degrees/bio-and-society/process>)

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<https://sols.asu.edu/graduate-studies/degrees/bio-and-society>
LSC 226
sols.grad@asu.edu
480-965-1768

Biology (Biology and Society), PHD (LABIOSPHD)

Online Degree Search Title: Biology (Biology and Society) (PhD)

Campus: TEMPE

Program Description:

Within the biology and society degree programs, students may choose a formal concentration in the areas where biology intersects with society. There are three tracks:

- bioethics, policy and law
- ecology, economics and ethics of the environment
- history and philosophy of science

The bioethics, policy and law track trains students in the pressing moral, policy and legal issues raised by the biosciences and biomedicine and in the disciplinary methods necessary to address these issues. The history and philosophy of science track trains students in the conceptual foundations of science, including especially the epistemological and methodological assumptions that shape science and its progress. Ecology, economics and ethics of the environment trains students in the theory and empirical methods for understanding, analyzing and shaping policy for coupled human-natural systems.

The program is richly interdisciplinary, drawing from the following and other disciplines to develop skills for analyzing and addressing the problems where biology intersects with society:

- anthropology
- bioethics
- biology
- ecology
- economics
- environmental ethics
- environmental studies
- ethics
- history
- history and philosophy of science
- justice studies
- law
- modeling
- nursing
- philosophy
- political science
- religious studies

The concentration tailors individual programs of study to individual needs and interests, with a solid grounding in life and related sciences and with rigorous analytical and multidisciplinary education. The three tracks offer suggested courses for those wishing to focus on these areas.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
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84 credit hours

written and oral comprehensive exams

prospectus

dissertation

An individual student program is developed in consultation with the student's advisor and committee.

Admission Requirements:

Students must submit an online application to Graduate Education. The program also requires a bachelor's degree, a "B" grade point average (3.00 on a 4.00 scale) in the last 60 semester hours or 90 quarter hours of undergraduate course work and scores from the GRE general exam.

Entering students are expected to have completed the equivalent of core requirements for an undergraduate major in biology or a related discipline (typically evolution, genetics, and other courses appropriate to the student's particular interests). Students without an undergraduate-level competency in the sciences may be considered for conditional admission to the biology and society concentration.

For information on the application materials, deadlines and tips please see: <https://sols.asu.edu/graduate-studies/degrees/bio-and-society/process>. (<https://sols.asu.edu/graduate-studies/degrees/bio-and-society/process>)

A TOEFL is required for applicants whose native language is not English (regardless of where they may now reside).

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of

School of Life Sciences

<https://sols.asu.edu/graduate-studies/degrees/bio-and-society/>

LSC 226

sols.grad@asu.edu

480-965-1768

Biology (Complex Adaptive Systems Science), PHD (LABIOCPHD)

Online Degree Search Title: Biology (Complex Adaptive Systems Science) (PhD)

Campus: TEMPE

Program Description:

The PhD in biology with a concentration in complex adaptive systems science trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing university-wide research on complex adaptive system science at Arizona State University and emphasizes the value of a complex adaptive perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will be fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study, and candidates typically will have a member of the complex adaptive systems science graduate faculty as a member of the doctoral supervisory committee.

Admission Requirements: • Applicants must submit the online Graduate Education application.

- Applicants must have the minimum of a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university.
- Only students admitted to participating doctoral programs may apply for a complex adaptive systems concentration. A letter of application from the student must be sent to the chair of the complex adaptive systems science graduate faculty. The application will be reviewed by members of the graduate faculty who will make final admission recommendations to Graduate Education.
- Applicants must have the minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of their bachelor's degree program.

The TOEFL is required for applicants whose native language is not English, regardless of where they may now reside; see <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of

School of Life Sciences
<https://sols.asu.edu/graduate-studies/overview>
LSC 226
sols.grad@asu.edu
480-965-1768

Chemistry, MS (LACHEMMS)

Online Degree Search Title: Chemistry (MS)

Campus: TEMPE

Program Description:

The faculty in the Department of Chemistry and Biochemistry offer a program leading to the MS in chemistry. Areas of study include:

- analytical chemistry
- biochemistry
- geochemistry
- inorganic chemistry
- organic chemistry
- physical chemistry
- chemical education
- solid-state chemistry

See <http://chemistry.asu.edu/graduate/facultyResearch.asp> (<http://chemistry.asu.edu/graduate/facultyResearch.asp>) for information on faculty research and the state-of-the-art facilities available for conducting high quality investigations. The master's in chemistry prepares students for professional careers in industry, government and educational institutions.

Degree Requirements: 30 credit hours and a thesis.

The program consists of course work and seminars selected by the student in consultation with the student's supervisory committee and based on the student's area of research. A written thesis is required and must be successfully defended during a public final oral defense. Students must maintain a minimum GPA of 3.00 or better. A total of 30 credit hours must be completed for the plan of study and includes:

500 level or above courses as approved by the department (12)

BCH 501 or CHM 501 seminar or other seminar course as approved by the department (4)

CHM 592 research courses (8)

CHM 599 Thesis (6)

Total: 30 credit hours

Admission Requirements:

All applicants must submit an online Graduate Education application and must meet the requirements set by Graduate Education, which can be found on the Graduate Education website. The Department of Chemistry and Biochemistry requires official GRE scores be sent directly to Graduate Education by the Educational Testing Service. The subject test is not required but may be submitted to support the applicant's academic record.

In addition to the Graduate Education admission application, applicants must complete an online departmental supplemental application. Information on the supplemental application can be found on the department website: <http://chemistry.asu.edu/graduate/applicantInfo.asp> (<http://chemistry.asu.edu/graduate/applicantInfo.asp>).

Applicants whose native language is not English (regardless of where they live now) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
Department of Chemistry and Biochemistry
<http://chemistry.asu.edu/graduate>
PSC 112
chmgrad@asu.edu
480-965-4664

Chemistry, PHD (LACHEMPHD)

Online Degree Search Title: Chemistry (PhD)

Campus: TEMPE

Program Description:

The graduate faculty in the Department of Chemistry and Biochemistry offer a program leading to the PhD in chemistry. Areas of study include:

- analytical chemistry
- biochemistry
- chemical education
- environmental and geochemistry
- inorganic and materials chemistry
- organic chemistry
- physical chemistry

In addition to a broad range of individual research topics, the department also has a number of interdisciplinary programs:

Energy Frontier Research Center for Bio-Inspired Solar Fuel Production (Prof. Devens Gust) (<http://chemistry.asu.edu/news/DeptHighlights.asp#5>) (<http://chemistry.asu.edu/news/DeptHighlights.asp#5>))

Center for Membrane Proteins in Infectious Diseases, MPID (Prof. Petra Fromme) (<http://chemistry.asu.edu/news/Faculty.asp#6>) (<http://chemistry.asu.edu/news/Faculty.asp#6>))

NASA Astrobiology Institute Team. "Follow the Elements" (Prof. Ariel Anbar) (<http://astrobiology.asu.edu>) (<http://astrobiology.asu.edu/>))

See <http://chemistry.asu.edu/graduate/facultyResearch.asp> (<http://chemistry.asu.edu/graduate/facultyResearch.asp>) for information on faculty research and <http://chemistry.asu.edu/graduate/facilities.asp> (<http://chemistry.asu.edu/graduate/facilities.asp>) for state-of-the-art facilities available for conducting high quality investigations. The doctoral program in chemistry prepares students for professional careers in industry, government and educational institutions.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The program consists of course work and seminars selected by the student in consultation with the student's supervisory committee and based on the student's area of research. Qualifying exams consisting of a written comprehensive exam, an oral comprehensive exam and a prospectus are required to advance to candidacy. Students must successfully defend their dissertation during a public final oral defense. Students must also maintain a minimum GPA of 3.00 or better. A total of 84 credit hours must be completed for the plan of study and includes:

six graduate-level courses

enrollment in a BCH 501 or CHM 501 seminar each semester

CHM 792 Research

CHM 799 Dissertation

Admission Requirements:

All applicants must submit an online Graduate Education application and must meet the requirements set by Graduate Education, which can be found on the Graduate Education website. The Department of Chemistry and Biochemistry requires official GRE scores be sent directly to Graduate Education by the Educational Testing Service. The subject test is not required but may be submitted to support the applicant's academic record.

In addition to the Graduate Education admission application, applicants for the chemistry doctoral program must complete an online departmental supplemental application. Information on the supplemental application can be found on the department website:

<http://chemistry.asu.edu/graduate/applicantInfo.asp> (<http://chemistry.asu.edu/graduate/applicantInfo.asp>).

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of

Department of Chemistry and Biochemistry

<http://chemistry.asu.edu/graduate>

PSC 112

chmgrad@asu.edu

480-965-4664

Communication, PHD (LACOMMOPHD)

Online Degree Search Title: Communication (PhD)

Campus: TEMPE

Program Description:

The graduate faculty members of communication offer an interdisciplinary graduate program leading to the PhD in communication. Concentrations are available in interpersonal, intercultural and organizational communication. This program also provides course work and resources in rhetoric and performance studies.

The program is housed in the Hugh Downs School of Human Communication and is designed to prepare scholars for research-oriented careers in universities and in the public or private sectors. Students are provided training in communication theory, research methodology and a specialization in one or more areas of concentration. The goal of the program is to meet the needs of students whose interests transcend traditional disciplinary boundaries.

Degree Requirements: 96 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The PhD requires a minimum of 66 hours beyond an appropriate master's degree.

Course work for a typical plan of study is distributed as follows:

required core courses (6)

area of concentration (36)

COM 792 Research (12)

COM 799 Dissertation (12)

Students are required to demonstrate proficiency in research methods (statistics, computer languages, content analysis methods, interviewing, participant observation, etc.) which, in the judgment of the supervisory committee, is needed for the student's dissertation research.

Students are required to take three credit hours of COM 792 Prospectus/Dissertation Practicum and three credit hours of COM 792 Seminar Assistant.

Students must take at least one of the three advanced methods courses:

COM 607 Contemporary Rhetorical Methods (3)

COM 608 Multivariate Statistical Analysis of Data in Communication (3)

COM 609 Advanced Qualitative Research Methods (3)

The required theory course is COM 604 Theory Construction in Communication (3).

Two interdisciplinary theory and methodology courses are required of all students in the program.

Admission Requirements:

Applicants must submit:

- an online Graduate Education application
- GRE scores
- official transcripts
- resume or curriculum vitae
- statement of goals
- Test of English as a Foreign Language (TOEFL) scores, if applicable
- three letters of recommendation
- writing sample

Please visit the Hugh Downs School of Human Communication website for details.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of

Hugh Downs School of Human Communication

<http://humancommunication.clas.asu.edu/>

STAUF 412

communication@asu.edu

480-965-5095

Creative Writing, MFA (LACWRITMFA)

Online Degree Search Title: Creative Writing (MFA)

Campus: TEMPE

Program Description:

The ASU MFA in creative writing has always been an unswervingly student-first program. Through small classes, intimate workshops and practicum, or one-to-one mentoring, the centuries-old apprenticeship model thrives within the New American University. Poets and fiction writers work with an outstanding faculty that has published more than 80 books and has garnered national and international attention through awards including:

- Guggenheim and NEA fellowships
- Pulitzer Prize
- two Medals of Achievement from the National Society of Arts and Letters
- Western States Book Award
- Walt Whitman Award from the Academy of American Poets

The Creative Writing Program at ASU has been consistently able to offer MFA students among the best funding packages in the nation through teaching and research assistantships, which are renewable for each of the program's three years. Additionally, in concert with the writing program, the Virginia G. Piper Center for Creative Writing offers a variety of graduate assistantships, international writing and teaching scholarships, and thesis fellowships to continuing students.

Degree Requirements: 48 credit hours, a practicum and a written comprehensive exam.

The creative writing program requires 48 credit hours of study evenly divided between writing courses and literature courses designed to inform that writing. While students are expected to satisfy these requirements in the genre in which they were accepted, the program encourages cross-genre study, and electives can include courses taken outside of the creative writing program, even outside the English department. A practicum project and a written comprehensive exam are required.

Admission Requirements:

Applicants should have an undergraduate major in English or creative writing, with a GPA of 3.00 or above (4.00 scale); however, exceptional students who do not have either of these undergraduate majors may be admitted on the basis of writing excellence.

Application materials must be received by Jan. 1. ASU's Creative Writing Program accepts application materials between Sept. 1 and Jan. 1. Successful applicants will begin in fall semester.

The application process requires a combination of the following:

- mailing hard copies of letters and creative manuscripts directly to the Creative Writing Office
- mailing hard copies of academic transcripts directly to Graduate Education
- submitting application materials online through the Graduate Education website

REQUIRED HARD COPY MATERIALS

Applicants must submit three copies of the creative manuscript (up to 20 pages of poetry, or up to 30 pages of prose) and three letters of recommendation (one copy of each letter from three recommenders) directly to:

Creative Writing Program
ASU Department of English
PO Box 870302
Tempe, AZ 85287-0302

- Applicants must have their university transcripts mailed directly to Graduate Education.

REQUIRED ONLINE MATERIALS

Online materials are submitted online through the Graduate Education website. Required materials to be submitted online include:

- online Graduate Education application
 - application fee
 - personal Statement including your writing background, intended area of specialization, a brief self-evaluation of recent work, and goals
 - resume or curriculum vitae
 - teaching assistant application and statement of teaching philosophy (http://english.clas.asu.edu/teaching_assistantships)
- (http://english.clas.asu.edu/teaching_assistantships) - note the MFA applicant deadline is Jan. 1)
- academic writing sample (for TA application)

- proof of English proficiency, from applicants whose native language is not English (regardless of where they may now reside)

International students should refer to the Department of English webpage for English proficiency requirements:
<http://english.clas.asu.edu/gradstudies-international> (<http://english.clas.asu.edu/gradstudies-international>).

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
 Department of English
<http://english.clas.asu.edu/cw-admission>
 LL 543D
enggrad@asu.edu
 480-965-3528

East Asian Languages and Civilizations (Chinese), PHD (LAEALCPHD)

Online Degree Search Title: East Asian Languages and Civilization (PhD)

Campus: TEMPE

Program Description:

The PhD program in East Asian languages and civilizations is a research-intensive, interdisciplinary, area-based degree in the study of traditional and modern languages and cultures of China and Japan. Students may focus on:

- comparative cultural studies
- cultural history or linguistics
- literary criticism
- literature
- thoughts

In every case, students will be expected to acquire a solid grounding in the classical and modern versions in the primary language of their area.

Degree Requirements: 84 credit hours, two foreign language exams, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The program requires a minimum of 84 credit hours of which 30 hours from an earned master's degree program that is directly relevant to the PhD program may be counted toward that requirement. However, a minimum of 30 credit hours of course work and 24 hours of research are required beyond the master's level. If a student already has a master's, it will not be necessary to complete the existing School of International Letters and Cultures master's in Asian languages and civilizations. However, the student will be required to satisfy all course requirements for the master's.

All students, whether in Chinese or Japanese, must comply with the following requirements:

- Complete a minimum of six courses selected from advanced courses in literature, religions or intellectual history.
- Complete five seminars.
- Complete SLC 500 Theory and Methodology in East Asian Literature and Culture.
- Complete 12 core requirements.
- Submit a dissertation and pass an oral defense of that dissertation.
- Demonstrate reading knowledge of a second pertinent Asian language and one pertinent European language, aside from English.
- Pass written and oral comprehensive examinations in four fields, three of which must be selected from areas that are well-represented within the East Asian languages and civilizations doctoral graduate curriculum.

Admission Requirements:

Applicants who hold a bachelor's degree from a regionally accredited institution in a related field are eligible to apply to the program. The following entry-level competencies are needed for admission to the program:

Chinese concentration:

completion of at least three years of modern Chinese and one year of classical Chinese

Japanese concentration:

completion of at least three years of modern Japanese and one semester of classical Japanese

All applicants are required to submit:

- an online Graduate Education application

- a statement of career and educational goals
- official GRE scores
- official transcripts of all undergraduate and graduate course work
- three letters of recommendation (two of which should be academic recommendations)

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Regular admission may be granted to applicants who have achieved a GPA of 3.30 (4.00 scale) or better in the last two years of work leading to the bachelor's and who are competitive in the applicant pool, as evidenced by GRE scores (verbal, quantitative and analytical), the statement of career and educational goals and the letters of recommendation.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

See department website for more information.

Contact Information:

Liberal Arts & Sciences, College of
 School of International Letters and Cultures
<https://international.clas.asu.edu/graduate/chinese-phd>
 LL 440
 silc@asu.edu
 480-965-2715

English, MA (LAENGLMA)

Online Degree Search Title: English (MA)

Campus: ONLNE, TEMPE

Program Description:

The MA in English encompasses five distinct tracks. Literature students develop and hone skills in oral presentation, writing and critical thinking while exploring social, historical and cultural contexts.

In the broad-based and global linguistics program, students study theory and application focusing on phonology, syntax, sociolinguistics, historical linguistics and second language acquisition.

The rhetoric and composition program offers a wide array of courses encompassing the history, theory and practice of rhetoric and pedagogy of writing.

Comparative literature students interpret cultural productions in English and at least one other language, and they explore approaches ranging from textual criticism, critical theory and translation to cultural studies and the social sciences.

Students in the English education program develop a deep understanding of the language arts by learning how to access, analyze and apply theoretical frames and best practices for teaching grades seven through 12.

The master's in English prepares students to be teachers, scholars, writers and editors and to work in a variety of professions, including government, advertising, fundraising and public relations.

Degree Requirements: 30 credit hours including the required applied project course (LIN 593 or ENG 593) and a foreign language exam, or 30 credit hours, a thesis and a foreign language exam.

A student may pursue a track in comparative literature, English linguistics, literature, English education or rhetoric and composition. All tracks have a foreign language requirement.

For the track in comparative literature, course work must include:

- one course in comparative literary and cultural studies
- one course in criticism and theory
- one course in theory and problems of translation
- four courses in a language other than English
- two courses in concepts and methodology (one of which must be bibliographical methods)

Thesis Option: 24 hours of course work and six hours of thesis

Nonthesis Option: 27 hours of course work and three hours of applied project

For the track in English linguistics, two options are available:

The applied linguistics option includes:

LIN 500 Research Methods

LIN 511 Phonetics and Phonology or LIN 514 Syntax

LIN 515 American English or LIN 516 Pragmatics and Discourse Analysis

LIN 520 Second-Language Acquisition Theories

a course from a selection of advanced linguistics courses

The general linguistics option includes:

LIN 500 Research Methods

LIN 511 Phonetics and Phonology

LIN 514 Syntax

LIN 515 American English

one advanced linguistics course.

Thesis Option: 24 hours of course work and six hours of thesis

Nonthesis Option: 27 hours of course work and three hours of applied project

For the track in literature, course work must include:

one course in literary theory

ENG 500 Research Methods

a distribution requirement

two courses selected must be graduate seminars at the 600 level

Thesis Option: 24 hours of course work and six hours of thesis

Nonthesis Option: 27 hours of course work and three hours of applied project

For the track in English education, course work must include:

ENG 500 Research Methods

ENG 506 Methods and Issues in Teaching Language

ENG 507 Methods and Issues in Teaching: Composition

ENG 606 Advanced Studies in English Education

15 elective or research hours, to be determined by advisor

Nonthesis Option: 27 hours of course work and three hours of applied project

For the track in rhetoric and composition, course work must include:

one course in composition theory

one course in rhetoric theory

ENG 500 Research Methods

15 elective course work hours, which must include six credit hours of graduate seminars at the 600 level

Thesis Option: 24 hours of course work and six hours of thesis

Nonthesis Option: 27 hours of course work and three hours of applied project

Admission Requirements:

Applicants must submit a Graduate Education online application.

The application deadline is Jan. 15 for most programs. Linguistics has a Sept. 15 deadline for spring and deadlines of Jan. 15 and April 15 for fall admission.

Applicants for the master's in English program with a track in literature are required to have an undergraduate major in English. Those who do not have a major in English are encouraged to register as nondegree students while they take supplementary courses, as identified by the advisor.

They must also submit:

- an academic writing sample relevant to the field
- GRE general test scores

- resume
- statement of purpose
- three letters of recommendation
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.
<http://english.clas.asu.edu/gradstudies-international> (<http://english.clas.asu.edu/gradstudies-international>)

Applicants for the master's in English program with a track in linguistics and with a track in rhetoric and composition may have undergraduate majors in fields such as, but not limited to:

- anthropology
- applied linguistics
- cognitive science
- communication
- comparative languages and literatures
- education
- English literature
- history
- law
- linguistics
- modern languages
- philosophy
- political science
- psychology
- religion
- rhetoric or composition
- sociology
- speech and hearing science

Students should consult with an advisor to determine whether their preparation is deficient in any area.

Applicants must also submit:

- resume
- statement of purpose
- three letters of recommendation

Applicants for the rhetoric and composition program must also submit an academic writing sample relevant to the field and GRE general test scores.

Applicants for the English education program should have an undergraduate major in English, a related education field, or teaching experience in the English language arts at the secondary level. Applicants must also submit a statement of purpose, three letters of recommendation, resume and official transcripts.

Applicants for the linguistics program must show completion of one upper-division course in a linguistics-related field.

Applicants for the master's in English program with a track in comparative literature must prove fluency in a foreign language to a level sufficient for graduate study. Other documents required include:

- academic writing sample relevant to the field
- statement of purpose
- three letters of recommendation

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
 Department of English
http://english.clas.asu.edu/graduate_degrees
 LL 543B
enggrad@asu.edu

English (English Education), PHD (LAENEDPHD)

Online Degree Search Title: English (English Education) PhD

Campus: TEMPE

Program Description:

The PhD in English with a concentration in English education prepares students to examine the writing and reading practices of secondary students as well as the instructional practices of secondary English language arts teachers by emphasizing the relationship between pedagogy and research methodologies used to study the teaching of secondary English. Possible areas for research focus within this program include young adult literature, secondary reading and writing practices, new literacies, English language learning, critical literacy, and secondary English language arts curriculum and instruction development. The program encourages students to pursue course work in other subdisciplines within the Department of English, such as rhetoric and composition, applied linguistics and literature, and in the Mary Lou Fulton Teachers College, such as literacy and educational research methodology. The program prepares students to become professors of English education or to pursue other relevant opportunities in research and administration.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Required course work includes:

research methods (3)

foundational distribution (12)*

advanced studies distribution (12)

internships (9)

specialization (6)**

dissertation (12)

*Students must take 12 credit hours at the 500 level, selected from a list of approved courses in education, English, linguistics and applied linguistics.

**Students must take at least two courses in the area of specialization.

Admission Requirements:

A bachelor's degree from a regionally accredited college or university recognized by ASU is required.

Undergraduate and Graduate Majors: Applicants with master's degrees in English education and related fields such as English literature, applied linguistics, education, and rhetoric and composition will be considered. A minimum of three years full-time teaching or volunteer work in secondary English language arts classrooms or in literate-rich settings is required.

Application Deadline: Jan. 15 for the following fall

Candidates must submit the following:

- online application: <http://graduate.asu.edu/admissions> (<http://graduate.asu.edu/admissions>)
- one- to two-page statement of interest explaining the student's interest in the program, and how the student's background and preparation led to his or her specific career and research goal
- academic writing sample that provides strong evidence of academic writing ability
- three letters of recommendation from individuals familiar with the applicant's promise in English education, including one letter from a school principal and two letters from university professors
- curriculum vitae or resume
- GRE general test scores
- official transcripts with a cumulative GPA of at least 3.50 GPA in all previous graduate work.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

International students should refer to the Department of English webpage for English proficiency requirements.

<http://english.clas.asu.edu/gradstudies-international> (<http://english.clas.asu.edu/gradstudies-international>).

Contact Information:

Liberal Arts & Sciences, College of

Department of English

<http://english.clas.asu.edu/enged-phd>

English (Literature), PHD (LAENLITPHD)

Online Degree Search Title: English (Literature) PhD

Campus: TEMPE

Program Description:

The PhD in English with a concentration in literature promotes the study of the production, distribution and reception of texts; of their linguistic, rhetorical and literary structures and functions; and of the internal and external forces shaping literature. The program offers courses that utilize chronological, generic and somatic approaches with an emphasis on literary history and critical theory as well as diverse contents and methodologies. Many courses explore issues relating to gender, class, race and ethnicity. The program prepares students for entrance into the profession as teachers and scholars.

Degree Requirements: 84 credit hours, a foreign language exam, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

A student with an appropriate master's must complete a minimum of 54 credit hours of approved graduate work, which includes 12 credit hours of dissertation, provided the student's master's is accepted by the supervisory committee and the academic unit. Research hours may be used toward course work in consultation with the advisor. A student without an appropriate master's must complete 84 credit hours of work at ASU. At the advisor's discretion, students may include up to 12 credit hours of appropriate, graduate-level course work undertaken at another university and not previously counted toward any other degree.

Specifically required are six credit hours in theory courses and ENG 500 Research Methods. Students must complete eight graduate courses in any of the following categories:

- cultural studies
- ethnic studies
- gender studies
- genre
- history and structure of the English language
- literature 1500-1660
- literature 1660-1900
- literature since 1900
- literature to 1500
- postcolonial or anglophone literatures

Students must take at least five graduate seminars at the 600 level en route to the doctorate, at least three of which must be taken in the doctoral program. Up to 12 credit hours taken outside the department may be counted toward the degree. Students should consult with their supervisory committees when choosing electives.

Admission Requirements:

Applicants for the doctoral degree in English (literature) must submit:

- online Graduate Education application
- academic writing sample
- curriculum vitae
- GRE general scores (subject scores are optional)
- statement of purpose
- three letters of recommendation

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

International students should refer to the Department of English webpage for English proficiency requirements:

<http://english.clas.asu.edu/gradstudies-international> (<http://english.clas.asu.edu/gradstudies-international>).

Deadline for admission applications and requests for financial aid, including teaching assistantships, is Jan. 15. Incomplete files are not considered. Students should refer to the program's webpage for further information.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu/gradstudies-phdlit>
LL 543B
enggrad@asu.edu
480-965-3194

English (Rhetoric, Composition and Linguistics), PHD (LAENRHTPHD)

Online Degree Search Title: English (Rhetoric, Composition and Linguistics) PhD

Campus: TEMPE

Program Description:

The PhD in English, concentration in rhetoric, composition and linguistics at Arizona State University promotes the study of the production, distribution and interpretation of oral and written texts. Using classical and contemporary theories, methods and contexts, rhetoric and composition courses emphasize rhetorical strategies of oral, written, material and digital texts. Linguistics courses focus on the structure, function and acquisition of language and on its cognitive, oral, social and textual contexts. Requirements are designed to encourage a full understanding of theoretical and applied aspects of rhetoric, composition and linguistics and their intersection. The program encourages interdisciplinary study, and its flexible requirements enable students to pursue those aspects of the disciplines that interest them the most. The program prepares students for entrance into the field as teachers, scholars and professionals.

Degree Requirements: 84 credit hours, a foreign language exam, a written comprehensive exam, a prospectus and a dissertation, or 84 credit hours, a foreign language exam, an oral comprehensive exam, a prospectus and a dissertation.

In general, a student with an appropriate master's must complete 54 credit hours of approved graduate work, which includes 12 credit hours of dissertation. Research hours may be used toward course work in consultation with the advisor. A student without an appropriate master's usually must complete 84 credit hours of work at ASU. At the advisor's discretion, students may include up to 12 credit hours of appropriate, graduate-level course work undertaken at another university and not previously counted toward any other degree.

Course Work Requirements:

Research Methods: Students must take ENG/LIN 500 or its equivalent (3 credit hours).

Foundational Distribution: Foundational courses are offered at the 500 level, but also may include courses completed as master's level work at other universities. Students must complete at the 500 level (or equivalent) one course in composition studies, one course in rhetoric and two courses in linguistics (12 credit hours).

Advanced Studies Distribution: Advanced studies courses are offered at the 600 level or above. Students may choose to take 600-level courses required by the distribution from one area of study (rhetoric, composition or linguistics) or a combination of areas in which they would like to concentrate. It is assumed that a student will have taken a foundational level course prior to taking an advanced studies course, especially when the area of study is new for the student (12 credit hours).

Continuing Concentration: Students may choose to take other foundational (500 or equivalent) and advanced (600 and above or equivalent) courses in any one of the areas of concentration or a combination of areas in which they would like to concentrate. Students should consult with an advisor when selecting additional courses for concentration. It is expected that some of these continuing courses will include ENG or LIN 790 and 792 used in preparation for the doctoral examination. Note: Special Topics courses (ENG 598, LIN 548, LIN 598) and seminars (ENG 591, LIN 591) may fulfill some of the distribution requirements at the foundational (500 level) and advanced studies (600 level) levels. Students should consult with an advisor when choosing these courses.

Interdisciplinary Option: Students are encouraged to take up to 12 hours of courses outside the department to count toward the degree. Those courses may fulfill some of the foregoing requirements at the foundational and advanced studies distribution, or be taken in addition to those required by the distribution. Students should consult with an advisor when choosing these courses (up to 12 credit hours).

Admission Requirements:

Applicants must submit a Graduate Education online application.

Supporting documents include:

- academic writing sample
- curriculum vitae
- GRE general test scores
- official transcripts
- statement of purpose

- three letters of recommendation

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of the Graduate Education office and those of the College of Liberal Arts and Sciences.

<http://english.clas.asu.edu/gradstudies-international> (<http://english.clas.asu.edu/gradstudies-international>).

Deadline for admission applications and teaching assistantships is Jan. 15. Incomplete files are not considered.

Contact Information:

Liberal Arts & Sciences, College of

Department of English

<http://english.clas.asu.edu/gradstudies-rhetcomping>

LL 543B

enggrad@asu.edu

480-965-3194

Environmental Life Sciences, PHD (LAELSPHD)

Online Degree Search Title: Environmental Life Sciences (PHD)

Campus: TEMPE

Program Description:

Environmental life sciences is a novel graduate degree that provides doctorate-level training in several complementary fields focused on interactions between organisms (e.g., plant, animal or microbe) and their environment. The program provides transdisciplinary training that includes aspects of:

- biology
- chemistry or biochemistry
- environmental engineering
- geosciences
- mathematics
- social sciences
- sustainability

Graduate students are trained in:

- core classes
- seminars
- reading groups
- research clusters

We focus on collaborative and integrative study of the effects of environmental variation on fluxes of materials and energy across scales ranging from the organism to the globe. Our overall goal is to provide a unique PhD program that produces students with a broad appreciation of environment-organism questions in the context of natural and anthropogenic environmental change.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

As specified in each student's plan of study, the total number of credit hours should consist of:

core courses (7)

program electives (9)

ELS 799 Dissertation (12)

Beyond these 28 credit hours, the remaining credit hours should be filled from electives or from the Environmental Life Sciences omnibus courses such as ELS 784 Doctoral Internship or ELS 790 Doctoral Reading and Conference, up to the required number of total credit hours (54 if entering with a master's or 84 with a bachelor's).

Admission Requirements: • Students must submit an online application to the Graduate Education office.

• Applicants must possess a minimum of a bachelor's (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field. They must have had a minimum of a 3.00 cumulative GPA (4.00 scale) in the last 60 hours of their first bachelor's degree.

• All applicants must submit GRE results.

• Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. A TOEFL

score of 600 paper-based or 100 Internet-based IELTS overall band score of at least 6.5 with no band below 6.0 is required.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<http://els.asu.edu/>
LSC 226
sols.grad@asu.edu
480-965-1768

Environmental Social Science, PHD (LAESSPHD)

Online Degree Search Title: Environmental Social Science (PhD)

Campus: TEMPE

Program Description:

The PhD in environmental social science is one of the few doctoral programs in the U.S. that draws on the premise that reducing human impacts and developing more sustainable environmental practices will be difficult, if not impossible, to achieve without a focus on the social dynamics of environmental issues using critical social science perspectives.

The program is organized around theoretically based conceptual domains:

- culture and the environment
- environmental hazards and vulnerability
- environmental justice
- human environment impacts
- political ecology
- science and technology studies

These are the basis for addressing various topical foci, including urban environments, technologies and their consequences, landscapes, institutions, and health and the environment.

Students will work with faculty who have expertise in a broad range of fields including:

- archaeology
- community resources
- cultural and medical anthropology
- demography
- environmental history
- geographic information systems
- human and physical geography
- planning
- public affairs
- science and technology studies
- sociology

The program will train students to move into teaching and research positions, or to assume leadership roles in:

- government
- industry
- nongovernmental organizations

Course work for the degree is focused on developing real-world skills and a solid grasp of complex social science approaches to environmental issues. Students work closely with their committee to develop a curriculum appropriate to their chosen interests and career goals.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's in a related field may be granted up to 30 credit hours toward the 84 hour total required for the doctorate. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned postadmission.

Students entering without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated

by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a 3.20 (out of 4.00) average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

Admission Requirements:

Students must submit an online Graduate Education application. The application deadline is Dec. 1 for admission in the following fall. There is no spring admission.

In addition to the general requirements for admission to Graduate Education, applicants must also provide:

- statement of purpose outlining career and educational goals
- current curriculum vitae or resume
- optional sample of their written work
- three letters of recommendation
- official GRE scores
- transcripts of all undergraduate and graduate course work

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Undergraduate course work in the social sciences (e.g., geography, political science, sociology, anthropology, planning or history) is not a prerequisite for admission, but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of the social sciences in a manner to be specified at the time of admission.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Environmental Social Science (Complex Adaptive Systems Science), PHD (LAESSCPHD)

Online Degree Search Title: Environmental Social Science (Complex Adaptive Systems Science) (PhD)

Campus: TEMPE

Program Description:

The PhD in environmental social science is one of the few doctoral programs in the U.S. that draws on the premise that reducing human impacts and developing more sustainable environmental practices will be difficult, if not impossible, to achieve without a focus on the social dynamics of environmental issues using critical social science perspectives.

The program is organized around theoretically based conceptual domains:

- culture and the environment
- environmental hazards and vulnerability
- environmental justice
- human environment impacts
- political ecology
- science and technology studies

These are the bases for addressing various topical foci, including urban environments, technologies and their consequences, landscapes, institutions and health and the environment.

Students will work with faculty who have expertise in a broad range of fields including:

- archaeology
- community resources
- cultural and medical anthropology
- demography
- environmental history
- geographic information systems

- human and physical geography
- planning
- public affairs
- science and technology studies
- sociology

The program will train students to move into teaching and research positions, or to assume leadership roles in:

- government
- industry
- nongovernmental organizations

Course work for the degree is focused on developing real-world skills and a solid grasp of complex social science approaches to environmental issues. Students work closely with their committee to develop a curriculum appropriate to their chosen interests and career goals.

The complex adaptive systems science doctoral concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive systems science at Arizona State University and emphasizes the value of a complex adaptive systems perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will be fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Students entering with a master's in a related field may be granted up to 30 credit hours toward the 84 hour total required for the doctorate. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned postadmission.

Students entering without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a 3.20 (out of 4.00) average GPA in their courses, and complete degree requirements per the program's satisfactory progress policy.

For the concentration in complex adaptive systems science, 12 credit hours will be selected from an approved list of applicable courses related to complexity.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study and typically will have a member of the complex adaptive systems science graduate faculty as a member of their doctoral supervisory committee.

Admission Requirements:

Applicants must submit an online Graduate Education application. The application deadline is Dec. 1 for admission in the following fall. There is no spring admission.

In addition to the general requirements for admission to Graduate Education, applicants must also provide:

- statement of purpose outlining career and educational goals
- current curriculum vitae or resume
- optional sample of their written work
- three letters of recommendation
- official GRE scores
- transcripts of all undergraduate and graduate course work

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Undergraduate course work in the social sciences (e.g., geography, political science, sociology, anthropology, planning or history) is not a prerequisite for admission, but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of the social sciences in a manner to be specified at the time of admission.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change

http://shesc.asu.edu
SHESC 233
shescgrad@asu.edu
480-965-6215

Environmental Social Science (Urbanism), PHD (LAESSURPHD)

Online Degree Search Title: Environmental Social Science (Urbanism) PHD

Campus: TEMPE

Program Description:

The PhD in environmental social science is one of the few doctoral programs in the U.S. that draws on the premise that reducing human impacts and developing more sustainable environmental practices will be difficult, if not impossible, to achieve without a focus on the social dynamics of environmental issues using critical social science perspectives.

The program is organized around theoretically based conceptual domains:

- culture and the environment
- environmental hazards and vulnerability
- environmental justice
- human environment impacts
- political ecology
- science and technology studies

These are the bases for addressing various topical foci, including urban environments, technologies and their consequences, landscapes, institutions and health and the environment.

Students will work with faculty who have expertise in a broad range of fields including:

- archaeology
- community resources
- cultural and medical anthropology
- demography
- environmental history
- geographic information systems
- human and physical geography
- planning
- public affairs
- science and technology studies
- sociology

The program will train students to move into teaching and research positions, or to assume leadership roles in:

- government
- industry
- nongovernmental organizations

Course work for the degree is focused on developing real-world skills and a solid grasp of complex social science approaches to environmental issues. Students work closely with their committee to develop a curriculum appropriate to their chosen interests and career goals.

The concentration in urbanism will leverage the varied interests in urbanism and help emerging scholars as they attempt to compare, contrast and take stock of urbanism. Working with faculty from across a range of departments and programs at ASU, doctoral students will be able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's in a related field may be granted up to 30 credit hours toward the 84-hour total required for the doctorate. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned postadmission.

Students entering without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio which is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a 3.20 (out of 4.00) average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

All students entering the program complete 18 hours of core classes in conceptual domains and topical foci. For the concentration in urbanism, 15 credit hours will be selected from an approved list of applicable courses related to urbanism. Some of the environmental social science core courses also count toward the concentration in urbanism. These courses will include the core urbanism course, GCU 516, as well as one course from each of the four urbanism clusters:

- built form
- culture and society
- natural environment
- institutions and governance

Additional hours come from courses in research design, technical expertise and electives. Students may select from a substantial range of courses to satisfy noncore requirements.

Admission Requirements:

The application deadline is Dec. 1 for admission in the following fall. There is no spring admission.

Applicants must provide:

- online Graduate Education application
- a statement of purpose outlining career and educational goals
- a current curriculum vitae or resume
- an optional sample of their written work
- three letters of recommendation
- official GRE scores
- transcripts of all undergraduate and graduate course work
- proof of English proficiency, for applicants whose native language is not English (regardless of where they may now reside)

While undergraduate work in one of the social sciences (e.g., geography, political science, sociology, anthropology, planning or history) is not required, some course work in the social sciences is advantageous for admission. Students may be admitted without such a background and may be required to acquire knowledge of the social sciences in a manner to be specified at the time of admission.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Evolutionary Biology, PHD (LAEVOPHD)

Online Degree Search Title: Evolutionary Biology (PhD)

Campus: TEMPE

Program Description:

Evolutionary biology is an interdisciplinary graduate degree program that will provide doctorate-level training in the historical, conceptual, empirical and quantitative aspects of biological evolution. Evolution cuts across the biological sciences in ways that few other foci do:

- allows integration of information and patterns across levels of organization
- informs the theoretical foundations of subfields ranging from population genetics to systematics to ecosystem ecology
- provides bridges between temporal and spatial scales

Forgoing emphases on particular taxa or methods, the program focuses on understanding the patterns and processes that have and continue to shape life on Earth, training the next generation of scientists to use this knowledge to meet present and future challenges to the biosphere and human health in the face of increasing environmental perturbation.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

EVO 601 Principles of Evolution (3)

EVO 610 Research Areas of Evolution (2)

BIO 614 Biometry (4)

elective courses (9)*

research, course work or 30 credit hours from a previously awarded master's (54)
dissertation (12)

*The program and the student's advisor will determine these courses in conjunction with the student.

Admission Requirements: • All applicants will submit the Graduate Education online application.

- The applicant must have a baccalaureate degree from a regionally accredited institution in the U.S. or an international equivalent degree.
- A minimum GPA of 3.00 (4.00 scale) must have been earned in the student's last 60 hours of their bachelor's program.
- The GRE is required.
- TOEFL is required for applicants whose native language is not English (regardless of where they may now reside).

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of

School of Life Sciences

<https://sols.asu.edu/graduate-studies/degrees/evolutionary-biology>

LSC 226

sols@asu.edu

480-965-1768

Exploration Systems Design, PHD (LAESDPHD)

Online Degree Search Title: Exploration Systems Design (PhD)

Campus: TEMPE

Program Description:

The PhD in exploration systems design offers students an advanced systems approach for developing scientific exploration technologies in a wide range of demanding environments on the Earth, planets, moons and in space. This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration and the Ira A. Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks. The curriculum will integrate the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related course work from the Ira A. Fulton Schools of Engineering. Students must select a concentration as part of this degree program. Concentrations are available in instrumentation, systems engineering or sensor networks.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students may be admitted into the program with a bachelor's or master's in a related field. Up to 30 credit hours of master's-level work in a related field such as engineering, computer science, geological sciences or physics can be accepted toward the fulfillment of the doctoral requirements.

The plan of study for the doctorate will be selected with the recommendation of the student's supervisory committee. The exploration systems design doctorate requires:

core courses (6)

course work specific to the concentration (9)

SES 799 Dissertation (12)

All students in the School of Earth and Space Exploration are also required to take two seminars:

GLG 500 SESE Colloquium (1)

GLG 591 Faculty Research Seminar (1)

Admission Requirements:

Students applying to the doctoral program in exploration systems design must submit:

- online Graduate Education application
- scores on the general GRE
- a statement of purpose
- three letters of recommendation

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Applications for fall admission are due by Dec. 15 of the previous year.

Instrumentation Concentration:

An undergraduate degree in electrical engineering, aerospace engineering or mechanical engineering is preferred.

Systems Engineering Concentration:

Successful completion of a senior capstone or design project is an admission requirement for this concentration. Students who have not had a design course are required to take SES 405 Systems Engineering as a deficiency course.

Sensor Networks Concentration:

An undergraduate degree in electrical engineering or computer science is preferred.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
ISTB4 795
seseinfo@asu.edu
480-965-5081

Exploration Systems Design (Instrumentation), PHD (LAESDIPHD)

Online Degree Search Title: Exploration Systems Design (Instrumentation) PhD

Campus: TEMPE

Program Description:

The PhD in exploration systems design offers students an advanced systems approach for developing scientific exploration technologies in a wide range of demanding environments on the Earth, planets, moons and in space. This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration and the Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks. The curriculum will integrate the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related course work from the Fulton Schools of Engineering. Students must select a concentration as part of this degree program. Concentrations are available in instrumentation, systems engineering or sensor networks.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students may be admitted into the program with a bachelor's or master's in a related field. Up to 30 credit hours of master's-level work in a related field such as engineering, computer science, geological sciences or physics can be accepted toward the fulfillment of the PhD requirements.

The plan of study for the doctorate will be selected with the recommendation of the student's supervisory committee. The exploration systems design doctorate requires:

core courses (6)

course work specific to the concentration (9)

SES 799 Dissertation (12)

All students in the School of Earth and Space Exploration are also required to take two seminars:

GLG 500 SESE Colloquium (1)

GLG 591 Faculty Research Seminar (1)

Admission Requirements:

Students applying to the doctoral program in exploration systems design must submit:

- online Graduate Education application
- scores on the general GRE
- a statement of purpose
- three letters of recommendation

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Applications for fall admission are due by Dec. 15 of the previous year.

Instrumentation Concentration:

An undergraduate degree in electrical engineering, aerospace engineering or mechanical engineering is preferred.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
ISTB4 795
seseinfo@asu.edu
480-965-5081

Exploration Systems Design (Sensor Networks), PHD (LAESDSNPHD)

Online Degree Search Title: Exploration Systems Design (Sensor Networks) PhD

Campus: TEMPE

Program Description:

The PhD in exploration systems design offers students an advanced systems approach for developing scientific exploration technologies in a wide range of demanding environments on the Earth, planets, moons and in space. This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration and the Ira A. Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks. The curriculum will integrate the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related course work from the Ira A. Fulton Schools of Engineering. Students must select a concentration as part of this degree program. Concentrations are available in instrumentation, systems engineering or sensor networks.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students may be admitted into the program with a bachelor's or master's in a related field. Up to 30 credit hours of master's-level work in a related field such as engineering, computer science, geological sciences or physics can be accepted toward the fulfillment of the doctoral requirements.

The plan of study for the doctorate will be selected with the recommendation of the student's supervisory committee. The exploration systems design doctorate requires:

core courses (6)
course work specific to the concentration (9)
SES 799 Dissertation (12)

All students in the School of Earth and Space Exploration are also required to take two seminars:

GLG 500 SESE Colloquium (1)
GLG 591 Faculty Research Seminar (1)

Admission Requirements:

Students applying to the doctoral program in exploration systems design must submit:

- online Graduate Education application
- scores on the general GRE
- a statement of purpose
- three letters of recommendation

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Applications for fall admission are due by Dec. 15 of the previous year.

Sensor Networks Concentration:

An undergraduate degree in electrical engineering or computer science is preferred.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
ISTB4 795

Exploration Systems Design (Systems Engineering), PHD (LAESDSEPHD)

Online Degree Search Title: Exploration Systems Design (Systems Engineering) PhD

Campus: TEMPE

Program Description:

The PhD in exploration systems design offers students an advanced systems approach for developing scientific exploration technologies in a wide range of demanding environments on the Earth, planets, moons and in space. This transdisciplinary degree program provides a unique platform to train systems engineers targeting technological development for exploration science. This collaborative program between the School of Earth and Space Exploration and the Ira A. Fulton Schools of Engineering allows students to specialize in topics related to planetary exploration, astronomical instrumentation, robotics, sensors and sensor networks.

The curriculum will integrate the School of Earth and Space Exploration's science, instrumentation and systems engineering core courses with related course work from the Ira A. Fulton Schools of Engineering. Students must select a concentration as part of this degree program. Concentrations are available in instrumentation, systems engineering or sensor networks.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students may be admitted into the program with a bachelor's or master's in a related field. Up to 30 credit hours of master's-level work in a related field such as engineering, computer science, geological sciences or physics can be accepted toward the fulfillment of the doctoral requirements.

The plan of study for the doctorate will be selected with the recommendation of the student's supervisory committee. The exploration systems design doctorate requires:

core courses (6)

course work specific to the concentration (9)

SES 799 Dissertation (12)

All students in the School of Earth and Space Exploration are also required to take two seminars:

GLG 500 SESE Colloquium (1)

GLG 591 Faculty Research Seminar (1)

Admission Requirements:

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences. Students applying to the doctoral program in exploration systems design must submit:

- online Graduate Education application
- scores on the general GRE
- a statement of purpose
- three letters of recommendation
- proof of English proficiency, for applicants whose native language is not English (regardless of where they may now reside)

Applications for fall admission are due by Dec. 15 of the previous year.

Systems Engineering Concentration:

Successful completion of a senior capstone design project is an admission requirement for this concentration. Students who have not had a design course are required to take SES 405 Systems Engineering as a deficiency course.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
ISTB4 795
seseinfo@asu.edu
480-965-5081

Family and Human Development, MS (LAFAMHDMS)

Online Degree Search Title: Family and Human Development (MS)

Campus: ONLNE, TEMPE

Program Description:

The MS program in family and human development is devoted to the study of families, children and youth. The program's research, teaching and service have direct meaning for the lives of children and adults and the families and communities in which they live.

The faculty share a common commitment to high-quality research that both increases the basic understanding of human and family development and has the potential to contribute to the improvement of the lives of children and families.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required capstone courses (FAS 584 and FAS 598).

Courses are selected by the student along guidelines of the specific areas, after consultation with the supervisory committee. The plan of study should be completed and approved by the supervisory committee once completing 50 percent of the minimum required credit hours for the degree. A minimum of 30 credit hours is required. Acceptance of the proposed plan of study must be verified by signature of the chair and supervisory committee members. After approval within the program or college, the plan of study is submitted to Graduate Education for final approval.

The following requirements must be met for the tracks in child development or family studies. All students must take the following courses (or equivalent, with the approval of the graduate director):

diversity course (3)

elective credit hours (9 or 12)

multiple regression (3)

CDE 531 or FAS 531 Theoretical Issues (3)

FAS 500 Research Methods (3)

FAS or CDE 599 master's thesis (6) or FAS 584 and 598 capstone project (9)

Accelerated Degrees:

This degree is also offered as an accelerated degree with Family and Human Development, BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Admission to the master's in family and human development program is determined by the following criteria:

- online application to Graduate Education
- official transcripts of all undergraduate and graduate course work
- resume or curriculum vitae
- statement of goals relevant to the master's program
- Test of English as a Foreign Language (TOEFL) score of at least 600*
- two letters of recommendation

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences

Applications should be completed by submitting the online Graduate Education application. As part of the online application, the applicant will submit their resume or curriculum vita, statement of goals and the names and email addresses for their three recommenders. Letters of recommendation will be received electronically.

After submitting the graduate application, official collegiate transcripts should be sent to:

Arizona State University
Graduate Enrollment Services
Interdisciplinary Building, B-Wing, Room 170
PO Box 871003
Tempe AZ 85287-1003

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
Sanford School of Social and Family Dynamics
<https://thesanfordschool.asu.edu/node/788>

Family and Human Development, PHD (LAFAMSCPHD)

Online Degree Search Title: Family and Human Development (PhD)

Campus: TEMPE

Program Description:

The program in family and human development is devoted to the study of families, children and youth. The program's research, teaching and service have direct meaning for the lives of children and adults and the families and communities in which they live.

The faculty share a common commitment to high-quality research that both increases the basic understanding of human and family development and has the potential to contribute to the improvement of the lives of children and families.

Degree Requirements: 85 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Each student must prepare and submit a plan of study in conjunction with the chair and members of his or her supervisory committee once completing 50 percent of the minimum required credit hours for the degree. The plan of study consists of a minimum of:

85 credit hours for students entering after the bachelor's degree

- Of the 85 credit hours for a postbaccalaureate program, six credit hours are thesis and 12 credit hours are dissertation.
- Postbaccalaureate students complete a master's-in-passing before advancing to their doctoral studies.

55 credit hours for students entering after the master's degree

- Of the 55 credit hours of the postmaster's program, there are 12 credit hours of dissertation.

The additional hours in the postbaccalaureate and postmaster's tracks involve courses in:

- electives relating to family and human development
- family and human development
- statistics and research methods

Admission Requirements:

Admission to the doctoral program in family and human development is determined by the following criteria:

- online application to Graduate Education
- a resume or curriculum vitae
- a Test of English as a Foreign Language (TOEFL) score of at least 600 for each applicant whose native language is not English (regardless of where they may now reside)
- official transcripts of all undergraduate and graduate course work
- statement of goals relevant to the doctoral program
- three letters of recommendation
- verbal, quantitative and analytical GRE scores

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Applications, which are due Jan. 10, should be completed by submitting the online Graduate Education application. As part of the online application, the applicant will submit their resume or curriculum vitae, statement of goals and the names and email addresses of their three recommenders. Letters of recommendation will be received electronically.

After submitting the graduate application, official collegiate transcripts and GRE test scores should be sent to Graduate Enrollment Services.

Contact Information:

Liberal Arts & Sciences, College of
Sanford School of Social and Family Dynamics
<https://thesanfordschool.asu.edu/node/844>
SS 144
email@thesanfordschool.org
480-965-6978

French (Comparative Literature), MA (LAFRECLMA)

Online Degree Search Title: French Comparative Literature (MA)

Campus: TEMPE

Program Description:

The School of International Letters and Cultures offers a graduate program in French leading to the degree of MA in French with concentration in comparative literature.

Degree Requirements: 30 credit hours including the required applied project course (FRE 593) and a written comprehensive exam.

Graduate students may take only 500-level courses for graduate credit. At least nine hours must be selected from those courses listed exclusively for graduate students. The program must include:

- FRE 500 Bibliography and Research Methods (3) (It is recommended that the candidate enroll in this course as early as possible.)
- two courses in linguistics, civilization or translation (of which one must be in linguistics)
- one course in critical or cultural theory

For core courses, a minimum of four courses offered by the French section must be selected from any combination of the following categories:

- Francophone studies courses
- genre courses
- period courses

When approved by the graduate committee, up to six hours of related course work may be taken outside of French.

A student must achieve a GPA of "B" (3.00) or higher in all work specifically included in the plan of study. Grades below a "C" (2.00) cannot be used to meet the requirements of a graduate degree. No student may accumulate more than one incomplete at any one time.

Independent study courses will be given only under exceptional circumstances and will not duplicate courses which are available. The French graduate committee is responsible for authorizing such work in cooperation with the individual professor. No more than three hours of independent study will be permitted.

Students must complete an applied project.

The written examination for the concentration in comparative literature will be administered by the interdepartmental committee for comparative literature and will consist of two essay-based components: general concepts of comparative literature and problems of comparative literature.

Admission Requirements: • All applicants must submit the Graduate Education online application.

- Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Candidates for the master's should, upon entrance, present the equivalent of an undergraduate major in the language in which the degree is sought. Those who lack this background but who show strong potential and meet Graduate Education admission requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/graduate/french-ma>
LL 440
silc@asu.edu
480-965-6281

French (Linguistics), MA (LAFRELINMA)

Online Degree Search Title: French Linguistics (MA)

Campus: TEMPE

Program Description:

The School of International Letters and Cultures offers a graduate program in French leading to the degree of MA in French with concentrations in literature, linguistics or comparative literature.

Degree Requirements: 30 credit hours including the required applied project course (FRE 593) and a written comprehensive exam.

The plan of study for the master's includes:

applied project option

- a minimum of 30 credit hours of graduate-level work, as approved by the candidate's supervisory committee
- a 500-level bibliography and research methods course offered by the department
- in some programs, six hours in another language or in closely related courses (when approved by the candidate's supervisory committee)

Comprehensive Examination: All candidates are required to pass a comprehensive written examination designed to evaluate the candidate's knowledge in the area of specialization. A reading list, as agreed upon, serves as a guide to prepare for this examination.

Admission Requirements: • Applicants must submit the Graduate Education online application.

- Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Candidates for the master's should, upon entrance, present the equivalent of an undergraduate major in the language in which the degree is sought. Those who lack this background but who show strong potential and meet Graduate Education admission requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<https://international.clas.asu.edu/graduate/french-ma>

LL 440

silc@asu.edu

480-965-6281

French (Literature), MA (LAFRELITMA)

Online Degree Search Title: French Literature (MA)

Campus: TEMPE

Program Description:

The School of International Letters and Cultures offers a graduate program in French leading an MA in French with concentrations in literature, linguistics or comparative literature.

Degree Requirements: 30 credit hours including the required applied project course (FRE 593) and a written comprehensive exam.

The plan of study for the master's includes:

- applied project option
- a minimum of 30 credit hours of graduate-level work, as approved by the candidate's supervisory committee
- a 500-level bibliography and research methods course offered by the department

When approved by the candidate's supervisory committee, six hours in another language or in closely related courses may be included in the program.

Comprehensive Examination: All candidates are required to pass a comprehensive written examination designed to evaluate the candidate's knowledge in the area of specialization. A reading list, as agreed upon, serves as a guide to prepare for this examination.

Admission Requirements: • All applicants must submit the Graduate Education online application.

- Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Candidates for the master's should, upon entrance, present the equivalent of an undergraduate major in the language in which the degree is sought. Those who lack this background but who show strong potential and meet Graduate Education admission requirements may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/graduate/french-ma>
LL 440
silc@asu.edu
480-965-6281

Gender Studies, PHD (LAGSTPHD)

Online Degree Search Title: Gender Studies (PhD)

Campus: TEMPE

Program Description:

The academic study of gender is increasingly recognized as central across academic fields, from literature to psychology, to biology and law. The goal of the doctoral program is to train researchers who can take their place in the world as:

- academic faculty
- policymakers
- researchers inside and outside of academia

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The gender studies program requires:

84 credit hours for students admitted with only a bachelor's degree

a dissertation

both a written and oral comprehensive examination

The gender studies doctoral program is designed to provide students with the interdisciplinary training in theory and methods needed to conduct original research and scholarship about gender. At the core of the program are four required courses:

WST 601 Critical Concepts of Gender (3)

WST 602 Mapping the Intersections of Gender (3)

WST 603 Engendering Methodology (3)

WST 701 Research Design and Proposal Development in Gender Studies (3)

Students also take two research methods courses relevant to their dissertation, plus additional courses among three areas of specialization:

Gender, justice and social change

Courses in this area explore the gender dimension of social structures, institutions and organizations; the processes of social change and community development; and the ways policies and laws can change gender relations. We have faculty expertise in:

- child welfare
- development
- domestic violence
- environment
- globalization
- immigration
- social policy
- sustainability
- transnational feminisms
- work

Health, science and technology

Courses in this area explore the impact of gender on:

- health care
- health occupations
- science and technology

We have faculty expertise in:

- bioethics
- gender and technology
- health and sexuality
- HIV and AIDS prevention

- the participation of women in math and science in the developing world
- women's roles as healers and caregivers

Visual and narrative culture

Courses in this area explore historical and contemporary representations of gender in all genres, including:

- art
- literature
- popular culture
- scientific, medical, historical and legal discourse
- theater

Our faculty focus especially on the intersections of gender representations with representations of race, sexuality, class and the ways in which representations produce rather than simply mimic gender inequality and polarized identities.

Admission Requirements:

The gender studies program welcomes applications from qualified students without regard to race, creed, color, religion, sex or national origin.

Submit to Graduate Education:

- online Graduate Education application

nonrefundable application fee as specified by Graduate Education

- official copies of all undergraduate and graduate transcripts
- official GRE scores*
- resume or curriculum vitae
- statement of purpose
- proof of English proficiency**
- three letters of reference, preferably from faculty or other researchers
- writing sample (10-15 pages)

*The GRE test scores cannot be more than five years old.

**Students whose native language is not English (regardless of where they may now reside) must meet ASU's English proficiency requirements <http://graduate.asu.edu/admissions/international> (<http://graduate.asu.edu/admissions/international>).

Please see the ASU Graduate Education website for mailing addresses and further admission information.

For additional financial information, consult the Financial Aid office at <https://students.asu.edu/financialaid> (<https://students.asu.edu/financialaid>).

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://sst.clas.asu.edu/graduate/gender-studies-phd>
WILSN 125
SST@asu.edu
480-965-7682

Gender Studies (certificate), Certificate (LAWSTGRCT)

Online Degree Search Title: Gender Studies (Grad Certificate)

Campus: TEMPE

Program Description:

The academic study of gender is increasingly recognized as a central focus across academic fields, from literature to psychology, to biology and law. The graduate certificate in gender studies offers graduate students the opportunity to enhance their advanced degrees with demonstrated proficiency and knowledge about gender research and theories that they may apply in their own fields.

Degree Requirements: 15 credit hours.

Two required courses (6)

WST 601 Critical Concepts in Gender (3)
WST 602 Mapping the Intersectionalities of Gender (3)

Three additional courses (9)

Courses may be chosen from other WST graduate courses or from more than thirty approved courses from other departments throughout the university. Other courses may also be used with the graduate director's approval. Up to six credits not used for another ASU degree or certificate can be transferred from another university, with graduate director's approval. Courses should be recorded on the transfer section of the student's Interactive Program of Study (iPOS). Up to nine credit hours of ASU nondegree credit can be transferred for students who are eventually admitted to an ASU graduate program.

Admission Requirements:

Applicants must submit an online Graduate Education application.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Please see <https://sst.clas.asu.edu/node/1877> (<https://sst.clas.asu.edu/node/1877>) for more information about the certificate and to design course work.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://sst.clas.asu.edu/women-and-gender-studies>
WILSN First Floor
SST@asu.edu
480-965-7682

Geographic Education, MAS (LAGEOEDMAS)

Online Degree Search Title: Geographic Education (MAS)

Campus: ONLNE, TEMPE

Program Description:

The MAS in geographic education is an online nonthesis degree program that provides teachers with the opportunity to obtain a highly qualified status in geographic education. The degree program is intended for K-12 teachers and is appropriate for elementary and secondary school teachers. Although the courses are completed online, there are two in-person meetings, including an orientation and a graduation event, where capstone projects are presented.

Degree Requirements: 30 credit hours and an applied project.

The requirements are as follows:

- Students must complete 24 credit hours in geography, a three-credit-hour course in educational research (COE 501 Introduction to Research and Evaluation in Education) and a three-credit-hour course on the applied project related to geographic education (SED 593 Applied Project or DCI 593 Applied Project). This culminating experience is required in place of a thesis.
- Students are required to have access to a computer with an Internet connection and the capability to view video and animated files with sound, access to email, and access to a word processing program.
- Thirty credit hours are to be taken completely online, with two one-day sessions required at the Tempe campus for an orientation session and presentation of an applied project.

Admission Requirements:

All applicants must submit an online Graduate Education application.

In addition to Graduate Education admission requirements, prospective students must have a bachelor's degree from a regionally accredited institution (or equivalent) in education, geography or related area with a minimum GPA of 3.00 (4.00 scale) or they must demonstrate a minimum of one year of related professional experience and successful completion of a bachelor's degree from a regionally accredited institution (or equivalent) with a minimum GPA of 3.00 (4.00 scale). Applicants with a GPA below 3.00 can apply and may be accepted if they show substantial promise of success based on the candidate's statement and letters of recommendation. Applicants to the degree program are accepted year-round for fall admission.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/>
COOR 5671
geoplan@asu.edu
480-965-7533

Geographic Information Science (certificate), Certificate (LAGEOGISCE)

Online Degree Search Title: Geographic Information Science (Grad Certificate)

Campus: TEMPE

Program Description:

Under the auspices of the School of Geographical Sciences and Urban Planning, this interdisciplinary certificate program in geographic information science is administered by an executive committee. The objective of this program is to enable ASU graduate students and GIS professionals to learn how to apply GIS concepts and technology for the purpose of spatial analysis.

Degree Requirements: 16 credit hours including the required capstone course (GPH 591).

a capstone seminar (1)
three required courses (9)
two elective courses (6)

Admission Requirements:

All applicants to the certificate program must submit the Graduate Education online application.

Current graduate students receive priority admission to the certificate program.

Students qualify for admission to the certificate program by maintaining good standing in a cooperating department and completing an application specific to the GIS certificate.

Practicing professionals who already hold a graduate degree must furnish proof of an advanced degree by a formal transcript to Graduate Education.

Prospective students must complete prerequisites listed for the level-one required course.

Applicants whose native language is not English (regardless of where they now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
http://geoplan.asu.edu
COOR 5671
geoplan@asu.edu
480-965-7533

Geographic Information Systems, MAS (LAGISMAS)

Online Degree Search Title: Geographic Information Systems (MAS)

Campus: TEMPE

Program Description:

The MAS in geographic information systems program is a compact one-year nonthesis degree fostering advanced study in management and the use of GIS technology in public and corporate environments. The degree meets important educational needs of working professionals and recent college graduates seeking to improve career standing.

The program provides a comprehensive professional degree that balances work in the:

- applications domain
- technical side of the discipline
- theoretical aspects of GIS

Students are exposed to cutting-edge technology, management theory and practice and several societal dimensions associated with the application of GIS technology.

Courses are held evenings and weekends, and the curriculum is highly adaptable to the work environment; thus, the master's is achievable in a one-year time period.

Degree Requirements: 30 credit hours including the required applied project course (GPH 693).

Enrolled students must complete three sequential semesters of course work.

- The first semester, offered during the fall, is composed of six two-credit-hour modules, which are not transferable.
- Students in the spring semester must complete four three-credit-hour courses.
- During the final semester, offered through the eight-week summer session, students must complete a three-credit-hour GIS internship, and a three-credit-hour capstone course.

Admission Requirements: • All applicants must submit the Graduate Education online application.

- In addition to Graduate Education admission standards, prospective students seeking the degree must have successfully completed a bachelor's in a related area with a minimum GPA of 3.00 (4.00 scale) or demonstrate a minimum of three years of related professional experience and the successful completion of a bachelor's degree in an unrelated area as determined by the MAS-GIS steering committee.
- Applicants must submit two letters indicating support from any combination of current or former instructors, supervisors or professionals currently employed within GIS or a related discipline.
- Applicants must prepare a formal, written statement regarding relevant academic experience, professional experience and overall interest in GIS.
- Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Application materials for the coming academic year are accepted and reviewed on a rolling basis until June 30. Applicants are notified of their status within six weeks of receipt of their application materials.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu>
COOR 5671
geoplan@asu.edu
480-965-7533

Geography, MA (LAGEOGMA)

Online Degree Search Title: Geography (MA)

Campus: TEMPE

Program Description:

The MA in geography program is designed to offer specialized academic and professional training in geography so the student may secure a sound graduate background for further specialization or for immediate employment. The program has sufficient flexibility to allow for individual needs and the interests of the student. A minimum of 30 credit hours beyond the bachelor's is required. At least 24 credit hours must be in geography.

Degree Requirements: 30 credit hours and a thesis.

The School of Geographical Sciences may consider a student for a traditional master's that includes the successful defense of a thesis. Master's students must complete 30 credit hours, including 24 credit hours of combined course work and research hours at ASU and a six-credit-hour thesis.

The master's program includes two required courses: GCU 529 Geographic Thought and Theory (3) and GCU 585 Advanced Research Methods (3) and additional course work or research hours as selected by the student in consultation with an advisory committee.

Admission Requirements:

Applicants must submit the Graduate Education online application and it must be accompanied by:

- applicant's scores on the GRE (verbal and quantitative)
- current resume
- geography essay questions
- official transcripts from applicant's undergraduate program
- three letters of recommendation from professors

It is presumed that all students entering the master's program have an adequate background in geography, including course work that is the equivalent of GPH 371 Introduction to Cartography and Georepresentation and GCU 495 Quantitative Methods in Geography.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/>
COOR 5671
geoplan@asu.edu
480-965-7533

Geography, PHD (LAGEOPHD)

Online Degree Search Title: Geography (PhD)

Campus: TEMPE

Program Description:

The PhD in geography program provides specialized academic and professional training in geographical sciences so the student can secure a sound background for further research and teaching and for immediate employment.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

PhD students entering with a bachelor's must complete 84 credit hours. These hours include 72 credit hours of course work and research at ASU and 12 dissertation hours.

Doctoral students entering with a master's must complete 54 credit hours. These include 42 credit hours of combined course work and research hours at ASU and 12 dissertation hours. The doctoral program includes:

two required courses: GCU 529 Geographic Thought and GCU 585 Advanced Research Methods

two seminars in GCU/GPH 591

additional course work or research hours as selected by the student in consultation with an advisory committee

Admission Requirements:

The School of Geographical Sciences admits students to its doctoral program with either a bachelor's or master's in geography or a related field. We welcome applicants without geography degrees. Incoming students must demonstrate or attain competence in cartography and quantitative methods and complete other basic course work that will enable them to pursue graduate studies in their area of specialization.

Applicants must submit:

- online Graduate Education application
- the applicant's scores on the GRE (verbal and quantitative)
- three letters of recommendation from professors
- geography essay questions
- current resume
- official transcripts from applicant's undergraduate program
- proof of English proficiency, for applicants whose native language is not English (regardless of where they may now reside)

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of

School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu>
COOR 5671
geoplan@asu.edu
480-965-7533

Geological Sciences, MS (LAGEOSCMS)

Online Degree Search Title: Geological Sciences (MS)

Campus: TEMPE

Program Description:

The MS in geological sciences program is designed to provide fundamental graduate training in geology and to prepare the student for further graduate study, or for certain careers in:

- geochemistry
- geology
- geophysics
- planetary geology
- related fields

Degree Requirements: 30 credit hours and a thesis.

The master's consists of a minimum of 30 credit hours of graduate level course work. The student, with the approval of the advisor and supervisory committee (formed upon enrollment), selects courses that make a coherent program of study. Each program of study must include six hours of thesis credits and 20 or more credit hours of course work other than research and thesis. One-half of the credit hours applicable toward the degree must be in geological sciences courses while the remainder may include work in related fields. In addition, all students in the School of Earth and Space Exploration are required to take two seminars:

GLG 500 SESE Colloquium (1)

GLG 591 Faculty Research Seminar (1)

Thesis Requirements: A research-based thesis is required. The final examination is an oral defense of that thesis.

Admission Requirements:

Students applying for admission to the geological sciences master's program must submit:

- online Graduate Education application
- GRE scores
- a statement of purpose
- three letters of recommendation
- proof of English proficiency, for applicants whose native language is not English (regardless of where they may now reside)

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

The deadline for applications for the fall term is Dec. 15 of the previous year.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
ISTB4 795
seseinfo@asu.edu
480-965-5081

Geological Sciences, PHD (LAGEOSCPHD)

Online Degree Search Title: Geological Sciences (PhD)

Campus: TEMPE

Program Description:

The PhD in geological sciences program is designed to develop creative scholarship and to prepare students for professional careers in geological science fields such as geochemistry, geology, geophysics, planetary geology and related areas.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students may be admitted into the program with a bachelor's or master's in a related field. Up to 30 credit hours of master's-level work in a related field can be accepted toward the fulfillment of the doctoral requirements.

The plan of study for the doctorate is selected with the recommendation of the student's supervisory committee. Each plan of study must include 12 credit hours of dissertation and 25 hours of course work. All students in the School of Earth and Space Exploration are also required to take two seminars:

GLG 500 SESE Colloquium (1)

GLG 591 Faculty Research Seminar (1)

ASU Graduate Education policies and procedures must also be met for admission into the program and for fulfilling the degree requirements.

Comprehensive Examination: Doctoral candidacy is earned on the basis of a written component and an oral component. The written examination is in the form of two written research projects. The oral exam consists of an oral defense of the two projects.

Dissertation Requirements: A dissertation is required that is based on original work demonstrating creativity in research and scholarly proficiency in the subject area.

Final Examination: A final oral examination in defense of the dissertation is required.

Admission Requirements:

Applicants must submit:

- online Graduate Education application
- scores on the GRE
- statement of purpose
- three letters of recommendation

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

The application deadline for fall semester is Dec. 15 of the previous year.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
ISTB4 795
seseinfo@asu.edu
480-965-5081

German, MA (LAGERMMA)

Online Degree Search Title: German (MA)

Campus: TEMPE

Program Description:

The faculty in the School of International Letters and Cultures offers graduate programs leading to the MA degree with a major in German. Students admitted to the master's program with a major in secondary education may elect German as their subject matter field.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required applied project course (GER 593).

The plan of study for the master's includes a minimum of 30 credit hours of graduate-level work and a thesis, as approved by the candidate's supervisory committee. The program must include a 500-level bibliography and research methods course offered by the department. When approved by the candidate's supervisory committee, nine hours in another language or in closely related courses may be included in the program.

Admission Requirements:

- Students interested in applying for this program must submit an online Graduate Education application.
- Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Candidates for the master's should, upon entrance, present the equivalent of an undergraduate major in the language in which the degree is

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sought. Those who lack this background, but who show strong potential and meet Graduate Education admission requirements, may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

See: <https://international.clas.asu.edu/graduate/german-ma> (<https://international.clas.asu.edu/graduate/german-ma>) for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/graduate/german-ma>
LL 440
silc@asu.edu
480-965-6281

Global Health, MA (LASSHMA)

Online Degree Search Title: Global Health (MA)

Campus: TEMPE

Program Description:

In this MA program, global health is considered to be much more than and very different from international public health. It emphasizes that major health challenges stem from many factors well beyond disease itself — factors that are:

- cultural
- ecological
- evolutionary
- historical
- institutional
- social
- technological

Any effective, sustainable solutions to our most pressing global health challenges will need to take all of these factors into account, including the complex ways in which they relate to each other. In this manner, this degree understands health as not simply a product of disease, but rather emerging in the contexts of our complex and interrelated ecology, politics, history, culture, social institutions and evolutionary biology. It also places primacy on how to address the broader (i.e., structural, cultural) bases of ill health in complicated, ever-changing health challenges in low-resource community settings and a globalizing world. To do this, the degree combines both social and life science theories with on-the-ground research and its application. There is a strong emphasis on collaborative action as key to identifying and addressing global health problems in a sustainable and meaningful way.

Students accepted into the program are tied to ongoing interdisciplinary global health projects that address complicated, multifaceted health challenges that defy easy fixes, such as:

- climate change-related diseases
- emerging infectious diseases
- obesity

Students develop an applied project to contribute to the team goals. By applying a collaborative, problem-solving format, the master's in global health is intended to provide those planning to enter health or related fields (i.e., environmental, social) with the interdisciplinary orientation, team skills, and social and cultural acuity that the Pew Health Professional Consortium inter-alia has identified as critical but lacking in current health workforce training. The degree also emphasizes experiential learning as a way to gain mastery and requires participation in a global internship program based in one of the international partnering communities.

Degree Requirements: 30 Credit Hours including the required applied project course (SSH 593).

All students are required to take the following four foundational courses (12 credit hours):

ASB 500 Ethnographic Field Methods (3)
ASB 503/SSH 503 Medical Anthropology (3)
ASB 510/SSH 510 Health: Social and Biocultural Theories (3)
AML 613 Methods and Concepts in Math Epidemiology OR SSH 591 Principles of Epidemiology for Global Health (3)

Substitutes may be permitted by the graduate director, including individualized research, conference and independent study courses with approved faculty. Additional methods-focused courses or graduate-level epidemiology courses can count toward this requirement.

Students are also required to complete a minimum of six credits of practicum, six credits of electives and six credit hours of an applied project. Applied projects are completed in consultation with a faculty advisor; options include internship, practicum, a research project, scholarly research paper or an outreach project.

All students must maintain a 3.00 (out of 4.00) average GPA on both the iPOS and graduate GPAs per the Graduate Education satisfactory academic progress policy.

Accelerated Degrees:

This degree is also offered as an accelerated degree with Global Health, BA

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Applicants must submit the online Graduate Education application. The application deadline is Dec. 1 for admission in the following fall. There is no spring admission.

In addition to the general requirements for admission to Graduate Education, applicants must also provide:

- a statement of purpose outlining career and educational goals
- a current curriculum vitae or resume
- an optional sample of their written work
- three letters of recommendation
- official GRE scores
- transcripts of all undergraduate and graduate course work

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Admission is competitive and based on student academic excellence, additional relevant experience, plus fit to available faculty. Minimum GPA for consideration for admission would normally be 3.50 on a 4.00 scale for the last two years of study leading to the bachelor's. A degree in the social or life sciences (e.g., anthropology, sociology, gender studies, geography, political science), public health, or related fields (nutrition, human biology) is generally expected for applicants. Value will be placed on:

- foreign language skills
- practical, cross-cultural and international experiences
- prior social science and life science research

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Global Health, PHD (LASSHPHD)

Online Degree Search Title: Global Health (PhD)

Campus: TEMPE

Program Description:

The PhD in global health draws on the premise that sustainable and satisfying solutions to our most pressing global health challenges requires a sophisticated understanding of how cultural context, social and ecological processes and disease are really related.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU (including the 15 medical anthropologists on campus), it also takes advantage of a much wider set of skills offered by such fields as medical sociology, demography, human geography and epidemiology. It is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings, such as:

- commercial sector

- governmental agencies
- nongovernmental organizations

Some particular thematic foci of the program are:

- biocultural approaches to human coping
- computer-based complexity modeling
- culture and health
- health in the Americas
- indigenous and minority health
- mathematical epidemiology
- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws some 80 faculty members from all across the university to consider how cutting-edge social science can be applied to not only understand but also to substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's in a relevant field.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's in a related field may be granted up to 30 credit hours toward the 84-hour total required for the doctorate. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned postadmission.

Students entering without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio that is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a 3.20 (out of 4.00) average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

Admission Requirements:

Students must submit an online Graduate Education application. The application deadline is Dec. 1 for admission in the following fall. There is no spring admission.

In addition to the general requirements for admission to Graduate Education, applicants must also provide:

- statement of purpose outlining career and educational goals
- current curriculum vitae or resume
- optional sample of their written work
- three letters of recommendation
- official GRE scores
- transcripts of all undergraduate and graduate course work

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Suitable backgrounds for admission include a master's in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's program should already have completed at least 15 hours of social science and six hours of human biology (or equivalent) at the senior level, and should also have some background in statistics or epidemiology.

Contact Information:

Liberal Arts & Sciences, College of
 School of Human Evolution & Social Change
<http://shesc.asu.edu/>
 SHESC 233
shescgrad@asu.edu
 480-965-6215

Online Degree Search Title: Global Health (Complex Adaptive Systems Science) (PhD)

Campus: TEMPE

Program Description:

The PhD in global health draws on the premise that sustainable and satisfying solutions to our most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes and disease are really related.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU (including the 15 medical anthropologists on campus), it also takes advantage of a much wider set of skills offered by such fields as medical sociology, demography, human geography and epidemiology. It is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings, such as:

- commercial sector
- governmental agencies
- nongovernmental organizations

Some particular thematic foci of the program are:

- biocultural approaches to human coping
- computer-based complexity modeling
- culture and health
- health in the Americas
- indigenous and minority health
- mathematical epidemiology
- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws some 80 faculty members from all across the university to consider how cutting-edge social science can be applied to not only understand but also to substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's in a relevant field.

The complex adaptive systems science doctoral concentration trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive systems perspective at Arizona State University and emphasizes the value of a complex adaptive systems science perspective to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will be fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Students entering with a master's in a related field may be granted up to 30 credit hours toward the 84-hour total required for the program. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned postadmission.

Students entering without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio that is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a 3.20 (out of 4.00) average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in complex adaptive systems science, 12 credit hours will be selected from an approved list of applicable courses related to complexity.

Student doctoral dissertations should include the application of complex adaptive systems concepts and methods in their field of study, and typically will have a member of the complex adaptive systems science graduate faculty as a member of their doctoral supervisory committee.

Admission Requirements:

Students must submit an online Graduate Education application. The application deadline is Dec. 1 for admission in the following fall. There is no spring admission.

In addition to the general requirements for admission to Graduate Education, applicants must also provide:

- statement of purpose outlining career and educational goals
- current curriculum vitae or resume
- optional sample of their written work
- three letters of recommendation
- official GRE scores
- transcripts of all undergraduate and graduate course work, with a minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Suitable backgrounds for admission include a master's in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's program should already have completed at least 15 hours of social science and six hours of human biology (or equivalent) at the senior level and should also have some background in statistics or epidemiology.

Contact Information:

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 School of Human Evolution & Social Change
<http://shesc.asu.edu/>
 SHESC 233
shescgrad@asu.edu
 480-965-6215

Global Health (Culture and Health), PHD (LASSHCHPHD)

Online Degree Search Title: Global Health (Culture and Health) PHD

Campus: TEMPE

Program Description:

The PhD in global health draws on the premise that sustainable and satisfying solutions to our most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes and disease are really related.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU (including the 15 medical anthropologists on campus), it also takes advantage of a much wider set of skills offered by such fields as medical sociology, demography, human geography and epidemiology. It is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings, such as:

- commercial sector
- governmental agencies
- nongovernmental organizations

Some particular thematic foci of the program are:

- biocultural approaches to human coping
- computer-based complexity modeling
- culture and health
- health in the Americas
- indigenous and minority health
- mathematical epidemiology
- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws some 80 faculty members from all across the university to consider how cutting-edge social science can be applied to not only understand but also to substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's in a relevant field.

The concentration in culture and health provides focused, specialized training in theories and methods for researching the relationship between culture and health. This concentration utilizes the perspectives of medical anthropology and sophisticated ethnographic methods to study and interpret the role of cultural and social differences in shaping health. Students investigate these methods in the context of the community-based, participatory approaches that tend to promote the most mutually meaningful and lasting health solutions. Graduates are thus particularly prepared

for leadership in addressing health disparities in cross-cultural settings and with the most vulnerable populations. This includes very complex, difficult settings where particularly nuanced and sophisticated (often anthropological) understandings of health-related challenges are needed.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's in a related field may be granted up to 30 credit hours toward the 84-hour total required for the doctorate. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned post-admission.

Students entering without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio that is formally evaluated by a faculty committee, and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a 3.20 (out of 4.00) average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in culture and health, 15 credit hours will be selected from an approved list of applicable courses.

Admission Requirements:

Applicants must submit an online Graduate Education application. The application deadline is Dec. 1 for admission in the following fall. There are no spring admissions.

In addition to the general requirements for admission to Graduate Education, applicants must also provide:

- statement of purpose outlining career and educational goals
- current curriculum vitae or resume
- optional sample of their written work
- three letters of recommendation
- official GRE scores
- transcripts of all undergraduate and graduate course work

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Suitable backgrounds for admission include a master's in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's program should already have completed at least 15 hours of social science and six hours of human biology (or equivalent) at the senior level, and should also have some background in statistics or epidemiology.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Global Health (Evolutionary Global Health Sciences), PHD (LASSHEPHD)

Online Degree Search Title: Global Health (Evolutionary Global Health Sciences) PhD

Campus: TEMPE

Program Description:

The PhD in global health draws on the premise that sustainable and satisfying solutions to our most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes and disease are really related.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU (including the 15 medical anthropologists on campus), it also takes advantage of a much wider set of skills offered by such fields as medical sociology, demography, human geography and epidemiology. It is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings, such as:

- commercial sector
- governmental agencies
- nongovernmental organizations

Some particular thematic foci of the program are:

- biocultural approaches to human coping
- computer-based complexity modeling
- culture and health
- health in the Americas
- indigenous and minority health
- mathematical epidemiology
- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws some 80 faculty members from all across the university to consider how cutting-edge social science can be applied to not only understand but also to substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's in a relevant field.

The concentration in evolutionary global health sciences requires training in universal principles of research design (from experiments to systematic qualitative and quantitative description), data analyses, methods (quantitative and qualitative), and anthropological interpretation (or the identification of determinants of the origins and distribution of health phenotypes in past and present human populations). Students will choose from a wide range of data collection and inferential tools in order to address specific questions, through a combination of lecture and guided reading courses designed to master the highly diverse literature in evolutionary global health sciences that best pertains to their career goals.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's in a related field may be granted up to 30 credit hours toward the 84-hour total required for the doctorate. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned postadmission.

Students entering without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio that is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a 3.20 (out of 4.0) average GPA in their courses, and complete degree requirements per the program's satisfactory progress policy.

The doctoral program in global health with a concentration in evolutionary global health sciences requires the following:

Core courses (10 credit hours)

SSH 510 Health: Social and Biocultural Theories (3)

SSH 513 Research Design and Proposal Writing in Health Social Science (3)

SSH 502 Professional Seminar in Global Health (1)(x4) or approved equivalent

Concentration courses (16 credit hours)

ASB 500 Ethnographic Research Methods (3)

ASM 560 Human Growth and Development: An Evolutionary Perspective (3)

ESS 513 Institutions (3)

SSH 503 Advanced Medical Anthropology (3)

SSH/ASM 514 Infectious Disease and Human Evolution (4)

Elective courses

ASB 510/SSH 510 Health - Social and Biocultural Theories

ASB 537 OR ASM 591 Topics in Mesoamerican Archeology OR Human Growth and Development

ASM 546 Principles of Human Genetics

Other relevant electives from SHESC, SOLS, etc.

Substitutes to required courses may be permitted by the graduate director, including individualized research, conference, or independent study courses with approved faculty.

Admission Requirements:

Applicants must submit an online Graduate Education application. The application deadline is Dec. 1 for admission in the following fall. There is no spring admission.

In addition to the general requirements for admission to Graduate Education, applicants must also provide:

- statement of purpose outlining career and educational goals
- current curriculum vitae or resume
- an optional sample of their written work
- three letters of recommendation
- official GRE scores
- transcripts of all undergraduate and graduate course work, with a minimum cumulative GPA of 3.0 (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Suitable backgrounds for admission include a master's in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's program should already have completed at least 15 hours of social science and six hours of human biology (or equivalent) at the senior level, and should also have some background in statistics or epidemiology.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Global Health (Urbanism), PHD (LASSHURPHD)

Online Degree Search Title: Global Health (Urbanism) PhD

Campus: TEMPE

Program Description:

The PhD in global health draws on the premise that sustainable and satisfying solutions to our most pressing global health challenges require a sophisticated understanding of how cultural context, social and ecological processes, and disease are really related.

The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in medical anthropology at ASU (including the 15 medical anthropologists on campus), it also takes advantage of a much wider set of skills offered by such fields as medical sociology, demography, human geography and epidemiology. It is designed to train those who anticipate working in transdisciplinary academic settings, medical schools or nonacademic health settings, such as:

- commercial sector
- governmental agencies
- nongovernmental organizations

Some particular thematic foci of the program are:

- biocultural approaches to human coping
- computer-based complexity modeling
- culture and health
- health in the Americas
- indigenous and minority health
- mathematical epidemiology
- nutritional anthropology
- social justice and vulnerable populations
- social networks
- urban and environmental health

The program draws some 80 faculty members from all across the university to consider how cutting-edge social science can be applied to not only understand but also to substantively improve the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research into societies from large U.S. cities to hunter-gatherer communities. Students generally enter the program with a master's in a relevant field.

The concentration in urbanism will leverage the varied interests in urbanism and help emerging scholars as they attempt to compare, contrast and take stock of urbanism as it pertains to the thematic foci of the program. Working with faculty from across a range of departments and programs at ASU, doctoral students will be able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative,

constructive kind of inquiry.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Students entering with a master's in a related field may be granted up to 30 credit hours toward the 84-hour total required for the doctorate. This leaves 30 hours of course work, 12 hours of research credit and 12 hours of dissertation credit (54 credit hours total) to be earned postadmission.

Students entering without a master's must earn an additional 30 hours of graduate credit, produce a research portfolio that is formally evaluated by a faculty committee and present that research in a public forum before continuing on in the later stage of the doctorate.

All students must maintain a 3.20 (out of 4.00) average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.

For the concentration in urbanism, 15 credit hours will be selected from an approved list of applicable courses related to urbanism. These courses will include the core urbanism course, GCU 516 (three credit hours) as well as one course from each of the four urbanism clusters. These clusters are:

- built form
- culture and society
- institutions and governance
- natural environment

Admission Requirements:

Applicants must submit an online application to Graduate Education. The application deadline is Dec. 1 for admission in the following fall. There is no spring admission.

In addition to the general requirements for admission to Graduate Education, applicants must also provide:

- statement of purpose outlining career and educational goals
- current curriculum vitae or resume
- three letters of recommendation
- official GRE scores
- transcripts of all undergraduate and graduate course work

Students may also submit an optional sample of their written work.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Suitable backgrounds for admission include a master's in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from a bachelor's program should already have completed at least 15 hours of social science and six hours of human biology (or equivalent) at the senior level, and should also have some background in statistics or epidemiology.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

History, MA (LAHISTMA)

Online Degree Search Title: History (MA)

Campus: ONLNE, TEMPE

Program Description:

The faculty in history offer a graduate program leading to the MA in history. Candidates are offered an opportunity to develop knowledge of a specific historical field, to study comparative history and to learn research methods.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required applied project course (HST 593 or HST 692).

A minimum of 30 credit hours of graduate studies are required for a master's in history: 24 credit hours of course work, plus six credit hours of

thesis research credits (HST 599). The thesis equivalent option substitutes six credit hours of HST 592 Research or HST 593 Applied Project in place of the six credit hours of HST 599 and requires as well an additional three credit hours of HST 591 Seminar (six total instead of three) in the 30 credit hours of the plan of study. See website for more information. With the approval of the supervisory committee, candidates may take up to six credit hours of closely related interdisciplinary course work in another academic unit.

Master's students select a primary field and a research specialization. Available primary fields include:

- East or Southeast Asia
- Europe
- Latin America
- North America
- public history (Note: public history students pursue a double concentration, e.g., public history and North American history, or public history and European history. For public history information and requirements see <http://shprs.clas.asu.edu/public-history> (<http://shprs.clas.asu.edu/public-history>))

Advising: At the beginning of the first semester of study, the student, in consultation with the graduate director, selects a faculty advisor who will help direct the student to the completion of the required course work and thesis. Normally, the advisor is selected, at least tentatively, prior to enrollment or within the first six weeks of the fall semester. The faculty advisor helps the student select the other two members of the supervisory committee and together they develop the plan of study. The advisor, with the candidate, is primarily responsible for determining the plan of study, selecting the topic of the thesis or of the thesis equivalent, and guiding the student's research. The second and third committee members must be selected by the time the program of study is submitted at the end of the first year.

Thesis: The culminating experience of the master's degree program is the writing, presentation and defense of a thesis or thesis-equivalent based on original research. The thesis, an extended essay of approximately 100 pages, addresses a topic chosen by the student in consultation with the faculty advisor who serves as chair of the supervisory committee. The thesis explores a limited subject in depth, analyzing, explaining and drawing conclusions from the information gleaned from primary and secondary sources. The thesis thereby demonstrates the student's ability to:

- analyze and argue points cogently
- do research in the primary sources of the field
- organize and develop a topic
- survey and synthesize the relevant secondary literature on the topic
- write proficiently

Accelerated Degrees:

This degree is also offered as an accelerated degree with History, BA

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements: • Online electronic application: Applicants must submit an online Graduate Education application. Students apply for admission to Graduate Education and to a degree program (e.g., the master's in history). The history program is affiliated with several graduate certificate programs, including scholarly publishing and medieval and renaissance studies. Students applying for admission to the master's program in history and a certificate program, such as the scholarly publishing certificate program, are required to submit two separate applications (for the degree program and for the certificate program).

Transcripts: Should be mailed to Graduate Education at the address shown here. It is not necessary to mail transcripts to the history program.

- GRE scores: A report of the scores received on the GRE must be submitted to Graduate Education. Scores should be no more than five years old.
- Letter of application: Addressed to the history admission committee explaining the applicant's scholarly background and training, career goals, the primary field the student wishes to pursue, the proposed research specialization, and why the applicant wants to pursue graduate study at ASU (about 500 words in length).
- Resume: Upload into online application.
- Data form: Please download the form to a desktop and upload into the online application.
- Writing sample: A sample of the applicant's written work should be submitted electronically. The writing sample may be an article (published or unpublished), a research paper, or any other extended sample of expository skill no longer than 35 pages in length. Longer writing samples should not be submitted without first consulting the graduate director. Documents and files should not be password protected. Acceptable file types are .rtf, .pdf, and .doc.
- Assistantship application: Application form for a graduate assistantship, if desired, can be downloaded.
- References: Students are required to submit a minimum of three email addresses from faculty or others qualified to speak of the student's suitability for graduate study in history.
- International Students: Students applying from outside the U.S. whose native language is not English must follow Graduate Education guidelines demonstrating English language proficiency. The Graduate Education's minimum Test of English as a Foreign Language (TOEFL) score is 550; however, the history program requires a score of at least 600. Students whose original language is other than English must send a copy of an article or research paper in their native or principal research language in addition to the English writing sample required of all students. Prospective international students applying for teaching assistant positions must achieve a score of 55 or higher on the Test of Spoken English (TSE) or

Speaking Proficiency English Assessment Kit (SPEAK).

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/graduate/history>
COOR 3307
SHPRSGradInfo@asu.edu
480-965-8364

History, PHD (LAHISTPHD)

Online Degree Search Title: History (PhD)

Campus: TEMPE

Program Description:

The PhD in history offers doctoral students the opportunity to study past and contemporary civilizations and to learn research methods and professional writing strategies for use in diverse applications, including:

- business
- historical societies and agencies
- leading academic institutions
- the public sector

Areas of major emphasis include:

- competence in historical research methodology
- developing skills in scholarly analysis
- obtaining expertise in a chosen historical subject area

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The doctoral degree requires 84 total credit hours beyond the bachelor's. Students with a master's in history are allowed to apply 30 credit hours of that degree toward the 84 total credit hours required for the doctoral program. 60 credit hours must be in history courses and must meet the following requirements:

- Fifty-four credit hours must be taken in residence at ASU.
- In general, all credit hours must be at the 500 level or above (graduate credit for 400-level courses must be approved in advance and documented in the student's file).
- At least nine credit hours must be taken in the primary field and six credit hours in the secondary field. These will normally be HST 598 or HST 591 courses but may include directed readings, HST 790.
- Nine credit hours must be taken of HST 591 research seminars. Only one seminar is transferable from a master's.
- Six credit hours must be taken in core field courses for U.S. and European majors only.
- Three credit hours of HST 500 Historical Theory and Methodology are required during the first year.
- Twenty-four credit hours must be taken in dissertation research, 12 credit hours each of HST 792 and HST 799.

Students must select a primary field, a secondary field and a research specialization. There is a written qualifying exam in the primary field and a portfolio defense for the secondary field. The dissertation is written in the area of the research specialization.

Advanced Research Skill Requirement: Doctoral students must also demonstrate proficiency in one or more foreign languages relevant to their fields of study and possibly an advanced research skill relevant to their dissertation research (e.g., oral history, geographic information systems, documentary editing, statistical analysis or methodological-theoretical training in a related discipline).

Advising: For guidance through the program, students select a supervisory committee of at least three faculty members, with the student's advisor serving as committee chair. Students also select a separate secondary field committee to evaluate their secondary field portfolio. The primary field qualifying examination is administered by an ad hoc committee composed of professors who have taught the core courses in that field. The dissertation prospectus and dissertation are evaluated by the supervisory committee.

Dissertation: The culminating experience for the doctoral program in history is the dissertation. Approximately 250-300 pages in length, it must be

an original contribution to knowledge and demonstrate the candidate's proficiency in independent research and historical exposition. The research topic is chosen by the student in consultation with the faculty advisor who serves as chair of the supervisory committee.

Admission Requirements: • strong>Online electronic application: Applicants must submit an online Graduate Education application. Students apply for admission to Graduate Education and to a degree program (e.g., the PhD in history). The history program is affiliated with several graduate certificate programs, including scholarly publishing and medieval and renaissance studies. Students applying to the doctoral program in history as well as one of these certificate programs must submit two separate applications (for the degree program and for the certificate program).

- strong>Official transcripts: Should be submitted to Graduate Education. It is not necessary to mail transcripts to the history program.
- strong>GRE scores: A report of the scores received on the GRE must be submitted to Graduate Education. Scores should be no more than five years old.
- strong>Letter of application: Addressed to the history review committee explaining the applicant's scholarly background and training, career goals, the primary and secondary fields of study the student wishes to pursue, proposed research specialization, and why the applicant wants to pursue graduate study at ASU (about 500 words in length).
- strong>Resume: Upload into online application.
- strong>Data form: Please download the form to a desktop and upload into the online application.
- strong>Writing sample: A sample of the applicant's written work should be submitted electronically. The writing sample may be an article (published or unpublished), a research paper or any other extended sample of expository skill, no longer than 35 pages in length. Longer writing samples should not be submitted without first consulting the graduate director. Documents should not be password protected. Acceptable file types are .rtf, .pdf, and .doc. Files should not be password protected.
- strong>Assistantship application: Application form for a graduate assistantship, if desired, can be downloaded at http://graduate.asu.edu/sites/default/files/TA-RA_AssistantshipApplication.pdf (http://graduate.asu.edu/sites/default/files/TA-RA_AssistantshipApplication.pdf target="_blank"). The form should be emailed to: graduate.history@asu.edu (<mailto:graduate.history@asu.edu>). See special requirements below for international students applying for graduate assistantships.
- strong>References: Students are required to submit a minimum of three email addresses from faculty or others qualified to speak to the student's suitability for graduate study in history.*
- strong>International students: Applicants whose native language is not English (regardless of where they may now reside) must follow Graduate Education guidelines demonstrating English language proficiency. See <http://graduate.asu.edu/admissions/international> (<http://graduate.asu.edu/admissions/international>). The Graduate Education minimum Test of English as a Foreign Language (TOEFL) score is 550; however, the history program requires a score of at least 600. Students whose original language is other than English must send a copy of an article or research paper in their native or principal research language in addition to the English writing sample required of all students.

*Referees will be contacted by Graduate Education, with a request to complete a reference questionnaire.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/graduate/history>
COOR 3312
SHPRSGradInfo@asu.edu
480-965-8364

History and Philosophy of Science, PHD (LAHPSCIPHD)

Online Degree Search Title: History and Philosophy of Science (PhD)

Campus: TEMPE

Program Description:

This degree combines solid training in the core areas of philosophy with an emphasis on interdisciplinary studies of the sciences and:

- conceptual structure
- epistemology
- history
- impacts on society

The strength of ASU's history and philosophy of science program is to bring philosophy, history and the study of science together. This degree program is especially appropriate for students with a background in philosophy who seek to broaden their disciplinary studies with a historical perspective.

Applicants will typically come from undergraduate programs that have included philosophical, historical, or history and philosophy of science training, or they will hold a master's degree in one of those fields. Science students are eligible as well, and will make up relevant undergraduate humanistic core courses during their first years. Most graduates will seek a career based in philosophical or historical analyses of the sciences.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.
six credit hours of required core courses
at least 30 credit hours of restricted program electives
at least 24 credit hours of program electives
12 credit hours of research HPS 792
12 credit hours of HPS 799 Dissertation

Admission Requirements: • online Graduate Education application

- minimum of a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as: history, philosophy, or history and philosophy of science, as well as a demonstrated background and interest in one or more sciences
 - minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program
 - GRE test scores
 - Test of English as a Foreign Language (TOEFL) test scores for applicants whose native language is not English
- <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<https://sols.asu.edu/graduate-studies/overview>
LSC 226
sols.grad@asu.edu
480-965-1768

Human and Social Dimensions of Science and Technology, PHD (GCHSDSTPHD)

Online Degree Search Title: Human and Social Dimensions of Science and Technology (PhD)

Campus: TEMPE

Program Description:

This program prepares students to teach and conduct research on the conceptual, historical, social and policy foundations of science and technology, as well as their interactions with society, using humanistic and social science methods.

The PhD in human and social dimensions of science and technology responds to growing demand for interdisciplinary research in the humanities and social sciences that can provide insights into the dynamic relationship between science, technology and society. Solutions to the problems of applying science and technology to human well-being can only be found by fully integrating research from across many social science and humanities disciplines.

The program is flexible, combining a strong, integrated, first-year experience with substantial freedom for students, in conjunction with their advisors, to design carefully crafted plans of study relevant to their own areas of specialization and expertise. Unique among programs of this kind nationally, students will also learn to communicate and work with scientists, engineers, policymakers, business and community officials, or the public in conducting and applying research.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

This is a research degree, culminating in a dissertation, which must draw on multiple disciplinary perspectives.

Students may apply up to 30 hours from a prior master's toward the total hour requirement upon approval of the steering committee. Each student, with his or her supervisory committee, develops a unique plan of study, which the student's supervisory committee approves.

Each student completes a yearlong core seminar, a second-year research project, two major fields, one minor field, methods training, electives and research. Students also regularly attend the program colloquia. There are no foreign language or statistics requirements, except as needed for a particular student's selected dissertation project.

Comprehensive Examination

The written dissertation prospectus and its oral defense constitute the written and oral comprehensive examinations required by Graduate Education for advancement to candidacy. Each student develops a written dissertation prospectus, including a bibliography and discussion of

relevant research skills. The student makes an oral defense of the dissertation prospectus to his or her supervisory committee, which must approve the prospectus. Students normally complete the dissertation prospectus and its defense in the fifth semester.

Dissertation

The dissertation represents an original body of research that contributes to existing knowledge in a significant way.

Final Examination

Upon completing the dissertation, the student makes an oral defense of the dissertation to the supervisory committee, which must approve the dissertation. The doctorate is granted upon successful completion of the oral defense and any revisions to the dissertation required by committee members.

Admission Requirements:

Applicants must submit an online Graduate Education application.

Preference is given to students with demonstrated interest and competence in relevant areas of intellectual work. All students must hold an undergraduate degree from a regionally accredited institution or university of recognized standing at the time of admission and have a minimum GPA of 3.00 on a 4.00 scale for the last 60 semester hours of undergraduate work.

The doctoral program admits one cohort annually for plans of study that begin in the fall semester. The application deadline is Dec. 15 for students wishing to begin a plan of study the following August. There is no guarantee that applications received after Dec. 15 will be reviewed.

To apply to the program, applicants are required to submit:

- an online ASU Graduate Education application
- official transcripts of all undergraduate and graduate course work
- the HSD academic record form
- a curriculum vitae or resume
- a statement of proposed research program that clearly identifies why the student feels ASU is the appropriate place to pursue their doctorate and identifies one or more faculty members whose interests or work are relevant to the student's proposed research
- a writing sample
- general GRE scores
- three academic letters of recommendation
- proof of English language proficiency*

*Applicants whose native language is not English must provide proof of English proficiency (regardless of where they may now reside) with one of the following:

- TOEFL score of 600 paper-based or 100 Internet-based
- IELTS overall band score of at least 6.5 with no band below 6.0
- Pearson Test of English (PTE) score of at least 60

Regular admission may be granted to applicants who meet Graduate Education admission requirements.

Students must fulfill the requirements of both Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<http://hsd.asu.edu>
INTDSB 366
hsd@asu.edu
480-965-1768

Immigration Studies (certificate), Certificate (LAIMMSTUCE)

Online Degree Search Title: Immigration Studies (Grad Certificate)

Campus: TEMPE

Program Description:

The immigration studies graduate certificate program provides students with an understanding of the causes and consequences of international migration as well as relevant professional and research training opportunities.

The program prepares graduates for future study in graduate and professional schools or for careers as immigration practitioners and advocates in nongovernmental organizations, local and federal government agencies, as well as in other private and public institutions serving immigrant and

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refugee communities.

The objective of the certificate program is to offer traditional academic training through course work, research and practical experience working with local immigrant and refugee communities.

Degree Requirements: 15 credit hours.

The certificate consists of 15 total credit hours. All students will be required to take:

one core course

three approved elective courses on immigration

three hours of a culminating experience (either an internship or a research project)

For a list of approved courses, please contact the school.

Internship: Students may do an internship with Phoenix-based, nongovernmental organizations or government agencies that provide services to immigrants and refugees. Such internships will give students professional training and actual experience working with immigrant and refugee communities. Students will be required to write a report describing the organization and their experience as interns.

Research: Students may enroll in three credits of research with a faculty member in order to do an independent research project. They must write a substantial research paper based on field research in a local immigrant community, library and archival research, or readings on an immigration topic.

Certificate students may choose to specialize in:

- humanities
- Mexican and Latino immigrants in the U.S.
- social sciences

Given the nature of the immigration courses offered at ASU and the preponderance of Latino immigrant communities in the Phoenix area, the program emphasizes Latino immigration. However, students will have the opportunity to take broader courses focusing on global migration and other immigrant groups, as well as work with local Asian or Southeast Asian immigrants and refugee communities.

For students currently enrolled in an ASU graduate degree program, applicable certificate courses may count toward their degree program with the approval and consent of the degree granting program. For certificate students who are later admitted to an ASU graduate degree program, up to 12 credit hours from the certificate program may count toward their doctoral degree or up to 12 credit hours may count toward their master's, with the approval and consent of the degree-granting program.

All requirements for the certificate program should be completed within a three-year time limit with a cumulative grade point average of at least 3.00. Students who require more time to finish the program (because of their part-time status or lack of desirable or available courses) must obtain approval from the executive committee.

Admission Requirements:

Students must submit an online application to Graduate Education. The application deadline is Dec. 1 for admission in the following fall. There is no spring admission. In addition to the general requirements for admission to the Graduate Education office, applicants must also provide:

- a current curriculum vitae or resume
- a statement of purpose outlining career and educational goals
- an optional sample of their written work
- official GRE scores
- three letters of recommendation
- transcripts of all undergraduate and graduate course work

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Infant Family Practice, MAS (LACDEMAS)

Online Degree Search Title: Infant - Family Practice (MAS)

Campus: TEMPE

Program Description:

This self-contained accelerated program provides high-quality course work and supervised internship experiences designed to train professionals to work in prevention and intervention programs serving families with infants, toddlers and preschool-age children.

The program prepares individuals for positions in a variety of professional capacities including:

- child abuse prevention
- early childhood administration
- early intervention
- family support and child care
- infant mental health

Course work prepares students for professional endorsement by the Infant-Toddler Mental Health Coalition of Arizona's Endorsement for Culturally Sensitive, Relationship-Based Practice Promoting Infant Mental Health.

Degree Requirements: 30 credit hours and a portfolio.

The MAS in infant-family practice requires the successful completion of a minimum of 30 credit hours, and an applied project, including required course work and an internship in a community placement approved by the master's in infant-family practice faculty. Internships are expected to last approximately 12 months. Students must maintain a GPA of 3.00 in all course work and satisfactorily meet the expectations of the agency supervising their internship.

Foreign Language Requirements: None

Thesis Requirements: None

GRE Scores: GRE scores are waived for this program.

Admission Requirements:

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Admission to the program is determined by the following criteria:

- online Graduate Education application
- a personal statement
- official transcripts of the student's academic record
- three letters of recommendation from individuals familiar with the applicant's academic background
- proof of English proficiency, for applicants whose native language is not English (regardless of where they may now reside)

Additionally, candidates are sometimes contacted for an interview.

Contact Information:

Liberal Arts & Sciences, College of
Sanford School of Social and Family Dynamics
<http://thesanfordschool.clas.asu.edu/ifp>
SS 144
email@thesanfordschool.org
480-965-6978

International Letters and Cultures, PHD (LAILCPHD)

Online Degree Search Title: International Letters and Cultures

Campus: TEMPE

Program Description:

The PhD in international letters and cultures degree provides research and training that is linguistically well-grounded, historically and culturally informed, and methodologically transdisciplinary. Central to the program is the critical inquiry of primary documents from a variety of media across

multiple languages, aiming at a deep understanding of the development of cultures through history. Students in the program must focus on research questions and themes that cannot be fully explored within the traditional disciplinary boundaries. The program fosters dynamic scholarly collaboration across disciplines in order to engage in the production of knowledge crucial to understanding transnational and transcultural phenomena from antiquity to the present.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

core course credit hours: (12)

restricted elective course credit hours:

primary field of study (18)

secondary field of study (18)

other requirements:

elective/research credit hours (12)

foreign language credit hours (12)

culminating experience:

Dissertation (SLC 799) (12)

Overall required credit hours: 84

Admission Requirements:

The program requires a minimum of a bachelor's degree in the humanities or social sciences. A condition of admission to the program is advanced competency in English and in the language of primary emphasis, i.e., the language of most of their course work and of most of the primary materials for their dissertation. Students must also have competency in a third language, either upon application to the program or to be acquired in the course of the program. Students whose bachelor of arts is not in foreign language must demonstrate proficiency by submitting a writing sample in the language of primary emphasis (and of secondary emphasis, if applicable) and an instructor's letter addressing their competency.

Applicants must submit:

- the Graduate Education online application form

- a personal statement summarizing the applicant's educational background and goals
- a writing sample in English (five pages minimum)
- three letters of recommendation

GPA: Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's first bachelor's degree program and 3.30 or better in the last two years of work leading to the bachelor's degree.

English Proficiency Requirement for International Applicants:

The minimum TOEFL score required is 550 (PBT) or 80 (iBT). Applicants whose native Language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<http://silc.clas.asu.edu/>
LL 440
silc@asu.edu
480-965-6281

Justice Studies, MS (LAJUSSTMS)

Online Degree Search Title: Justice Studies (MS)

Campus: TEMPE

Program Description:

The MS in justice studies is designed to prepare students for:

- further study and research in the justice field
- professional positions in justice-related organizations
- teaching in community colleges

Students use elective courses to develop a specialization in an area relevant to their own interests and consistent with the school's focus on the following areas:

- citizenship, migration and human rights
- globalization, sustainability and economic justice
- law, policy and social change
- media, technology and culture
- social identities and communities

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required applied project course (JUS 593).

The master's program has two options: a thesis or an applied project.

Thesis option

The thesis option requires the completion of 30 credit hours and six of these credit hours are JUS 599 Thesis. To satisfy the thesis requirement for the degree, candidates must write a thesis and defend it in an oral examination conducted by the student's advisory committee.

Applied project option

The applied project option requires the completion of 30 credit hours, and six of these credit hours are JUS 593 Applied Project. Candidates pursuing the applied project option must present their applied project and defend it in an oral examination conducted by the faculty member who supervises the project and the graduate programs director or designated representative. The applied project typically includes a brief literature review to identify the nature of the issue or problem and a description of the methodology used and, if relevant, of the program studied, followed by an analysis.

Each student's program is developed in concert with the advisory committee. The program has three major categories: foundation courses, elective courses, and thesis and applied project requirements.

The required foundation courses provide students with a fundamental understanding of the theories, methods and analytic techniques associated with the study of justice. The foundation courses include:

- JUS 500 Justice Research Methods (3)
- JUS 501 Justice Theory (3)
- JUS 509 Statistical Problems in Justice Research (3)
- JUS 521 Qualitative Data Analysis and Evaluation (3)

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Justice Studies, BS
- Justice Studies, BA

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

All applicants must submit the Graduate Education online application and upload these additional items through the online application process by Dec. 14.

- personal statement (one-and-a-half to two pages, double spaced) outlining areas of interest, educational and career goals
- three letters of reference*
- a writing sample, 10-15 pages (research that best represents the student's academic thinking and writing skills)

*Academic references are preferred.

Also required:

Language proficiency: Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Transcripts: Send one set of official transcripts from every college and university from which a bachelor's degree or higher was earned to Graduate Enrollment Services.

Please see the ASU Graduate Education website for mailing addresses and further admission information.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<https://sst.clas.asu.edu/node/2245>
WILSN 122
Audra.Horney@asu.edu
480-965-3897

Justice Studies, PHD (LAJUSSTPHD)

Online Degree Search Title: Justice Studies (PhD)

Campus: TEMPE

Program Description:

The doctoral program in justice studies is an interdisciplinary degree program offered through the auspices of Justice and Social Inquiry in the School of Social Transformation. The program integrates philosophical, legal and ethical approaches with social science and humanities perspectives to study five areas of interest:

- citizenship, migration and human rights
- globalization, sustainability and economic justice
- law, policy and social change
- media, technology and culture
- social identities and communities

Justice and Social Inquiry is recognized as a leader in the interdisciplinary study of justice and a pioneer in the establishment of a full-fledged program in the field.

The PhD/JD option allows qualified students to earn a Juris Doctor from ASU's Sandra Day O'Connor College of Law while simultaneously earning an interdisciplinary doctoral degree in justice studies. Students must apply separately to both programs.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Students in the doctoral program must complete three foundation courses as a part of the course work for the doctoral degree in justice studies. Students must earn a grade of "B" (3.00) or higher in each of the foundation courses:

JUS 620 Justice Research Methodology (3)

JUS 630 Data Analysis for Justice Research (3) or JUS 650 Advanced Qualitative Data Analysis (3)

JUS 640 Theoretical Perspectives on Justice (3)

Students entering the doctoral program with a master's or JD are required to complete 54 credit hours:

- Eighteen credit hours are comprised of any combination of additional elective courses, reading or conference hours, or research hours.
- Fifteen credit hours are elective classroom hours; nine credit hours must have a JUS prefix.
- Nine credit hours are PhD core courses.
- Twelve credit hours are earned as dissertation research.

Students entering the doctoral program without a master's or JD are required to complete 84 credit hours:

- Nine credit hours are required doctoral courses.
- Twelve credit hours are earned as dissertation research credit.
- Twenty credit hours are 500-level foundation courses.
- Twenty-four credit hours are elective classroom hours fifteen credit hours must have a JUS prefix.
- Twenty-seven credit hours are comprised of any combination of additional elective courses, reading and conference hours or research hours.

Concurrent Degrees:

This degree is also offered as concurrent degree with Juris Doctor (JD)

Admission Requirements:

All applicants must submit the Graduate Education online application and upload additional items. Applicants must upload the following items through the online application process by Dec. 14:

- a personal statement (one-and-a-half to two pages, double-spaced) outlining areas of interest, educational and career goals
- three letters of reference (academic references are preferred)
- a writing sample, 10-15 pages (research that best represents the applicant's academic thinking and writing skills)

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill the requirements of both Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<https://sst.clas.asu.edu/node/2245>
WILSN 245
graduate.justice@asu.edu
480-965-6008

Liberal Studies, MLSt (LAMLSMLS)

Online Degree Search Title: Liberal Studies (MLSt)

Campus: ONLNE, TEMPE

Program Description:

The MLSt offers students interested in a multidisciplinary approach to human ideas and values an opportunity to expand their liberal arts backgrounds. The program is intended for students seeking a graduate degree that explores the integration of the humanities with political, religious, social and scientific questions within their cultural contexts. The program connects students to the entire College of Liberal Arts and Sciences and integrates the disciplines.

Degree Requirements: 30 credit hours including the required applied project course (MLS 593).

Students are required to take three core classes, six electives and an applied project. We offer four core classes and students select any three of the four offered.

Core courses

MLS 501 Writing About Social Issues (3)

MLS 502 Religion, Health and Culture (3)

MLS 503 Ethics, Science and Culture (3)

MLS 504 Film and Media Studies (3)

Electives

Eighteen hours of electives, no more than nine in the same department.

Emphasis areas available:

- borders: migration, health and cultural identity
- gender, religion and culture
- science, nature and creative nonfiction writing

Admission Requirements:

Applicants must submit:

- an online Graduate Education application
- a letter of interest in the program
- a resume, biographical statement or curriculum vitae

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
Dean, College of Liberal Arts and Sciences
<http://clas.asu.edu/node/20840>
WHALL 239

Liberal Studies (Film and Media Studies), MLSt (LAFMSMLS)

Online Degree Search Title: Liberal Studies (Film and Media Studies) (MLSt)

Campus: TEMPE

Program Description:

The MLSt in liberal studies, concentration in film and media studies offers students interested in a multidisciplinary approach to international human ideas and values an opportunity to expand their liberal arts background through the study of film and media in society. The program is intended for students seeking a graduate degree that explores the integration of the humanities with political, religious, social and scientific questions within their cultural contexts. Studies focus on the aesthetics and theory of international film and media. The program connects students to the entire College of Liberal Arts and Sciences and integrates the disciplines.

Degree Requirements: 30 credit hours including the required applied project course (MLS 593).

Students are required to take three core classes, six electives and an applied project. We offer four core classes and students select any three of the four offered.

Core Courses:

MLS 501 Writing About Social Issues (3)

MLS 502 Religion, Health and Culture (3)

MLS 503 Ethics, Science and Culture (3)

MLS 504 Film and Media Studies (3)

Electives (18)

Admission Requirements:

Applicants must submit:

- an online Graduate Education application
- a letter of interest in the program
- a resume, biographical statement or curriculum vitae

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of

Dean, College of Liberal Arts and Sciences

<http://clas.asu.edu/liberal-studies-film-and-media-studies-mlst>

WHALL 239

paulmorris@asu.edu

480-727-0819

Linguistics (certificate), Certificate (LALINGUICE)

Online Degree Search Title: Linguistics (Grad Certificate)

Campus: TEMPE

Program Description:

This interdisciplinary graduate certificate in linguistics offers students in several fields the opportunity to gain an understanding of the way in which languages are structured, how they are acquired and how they vary over time, space, social distance and situational contexts.

The skills acquired through the completion of the core courses for this certificate include:

- analytical abilities
- communication skills
- critical thinking
- problem-solving

In addition, the knowledge acquired in the areas of discourse analysis and pragmatics makes students aware of the necessity to use appropriate registers and styles when creating written documents or oral presentations to different audiences.

Degree Requirements: 18 credit hours.

The required nine credit-hour core of the certificate consists of courses in:

- discourse analysis and pragmatics
- phonology
- syntax

The other nine credit hours (three courses) may be chosen from fields such as:

- educational linguistics
- natural language processing
- second language acquisition/applied linguistics
- sociolinguistics

Prerequisite: Introductory course in linguistics (taken at the upper-division or graduate level.) Consult the certificate program director for advice.

All certificate course work must be completed with an average grade of "B" (3.00) or higher.

Admission Requirements:

The graduate certificate in linguistics is available to all ASU graduate students irrespective of their major and to nondegree graduate students and working professionals provided they meet eligibility criteria. Students are advised that only nine hours may be taken in nondegree or certificate status and applied to a graduate degree or certificate program.

Eligibility requirements for obtaining the graduate certificate include:

- completion of an undergraduate bachelor's from an U.S.-accredited institution or equivalent
- formal knowledge of a foreign language, equivalent to two years of study of a foreign language at the university level or plans to fulfill the language requirement concurrently with their certificate courses*
- an introductory course in linguistics at the upper division or graduate level

*The language requirement may be met by completion of courses through the second-year level (four semesters) at ASU or elsewhere; or completion of an upper-division language course with an average of "B" (3.00) or better for all such course work (200 or 300 level); or through examination, indicating they should be placed above the 200 level. (Language placement tests are available online at the Language Placement Policies and Tests website. See: <https://international.clas.asu.edu/testing> (<https://international.clas.asu.edu/testing>)). If this requirement is not already fulfilled at the time of application, candidates must demonstrate completion of this requirement at the end of their certificate course work in order for their certificate to be granted.

Application Process:

Applications are accepted year-round. Applicants must complete the Graduate Education online application for admission.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

International students should refer to the Department of English webpage for English proficiency requirements <http://english.clas.asu.edu/gradstudies-international>. (<http://english.clas.asu.edu/gradstudies-international>)

Supporting documents consisting of a resume and statement of purpose must be uploaded into the online application. The statement should be a one- to two-page, well-considered statement of purpose detailing the student's background and reasons for wanting to complete the linguistics certificate.

Once the online application has been submitted, the student should send a copy of unofficial transcripts, statement of purpose and resume via email to the Graduate Program Manager in the Department of English with the subject heading "Linguistics Certificate Application."

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

For further information see: <http://english.clas.asu.edu/gradstudies-lingcert> (<http://english.clas.asu.edu/gradstudies-lingcert>).

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu/gradstudies-lingcert>
LL 543B
enggrad@asu.edu
480-965-3194

Literary Translation Studies (Certificate), Certificate (LALTSGRCT)

Online Degree Search Title: Literary Translation Studies

Campus: TEMPE

Program Description:

The graduate certificate in literary translation studies is an interdisciplinary program offering course work that provides:

- intensive engagement of students in translation practice
- investigation of issues related to the cultural role of the translator and translation
- studies in the variety of theoretical approaches to translation in the 20th and 21st centuries
- studies in trans-historical and cross-cultural theories of translation

These areas of emphasis enable students to gain expertise in practical and theoretical knowledge of the field of literary translation and to engage in developing new models for the practice of translation today. The program offers interested students the opportunity to develop an understanding of intercultural intersections and interdisciplinary approaches to the practice of translation, and advanced training and mentorship in what is one of the most globally relevant fields in the 21st century.

Degree Requirements: 15 credit hours including an applied project course (ENG 593 or SLC 593)..

Required Courses: six credit hours

Electives: six credit hours (students choose two from the list below:

CHI 543 Chinese Language and Linguistics (3)
CHI 691 Seminar Topic: Critical Perspectives on Modern Chinese Literature (3)
ENG 603 Advanced Studies in Comparative Literature (3)
ENG 656 Studies in Cross-Cultural Discourse (3)
FRE 421/598 Structure of French (3)
FRE 598 Special Topic: Text and Performance in Medieval France (1-4)
GER 494/598 Special Topic: Weimar German Cinema (1-4)
GER 494/598 Special Topic: German Modernism (1-4)
GER 521 History of German Language (3)
JPN 543 Japanese Language and Linguistics (3)
LIN 510 Linguistics (3)
SLC 494/598 Special Topic: Interdisciplinary Approaches to Syntax (1-4)
SLC 429/598 Topic: Politics and Culture in European Short Fiction (3)
SPA 539 General Spanish Linguistics (3)
SPA 543 Structure of Spanish (3)
SPA 565 20th-Century Spanish Drama (3)
SPA 567 Contemporary Spanish Novel (3)
SPA 575 Contemporary Spanish American Novel (3)
TCL 446/598 Comparative Bilingual Latina/o Poetics (3)
TCL 445/598 Transborder Latin American Short Story (Spanish Language only) (3)
TCL 488/598 Border Global Narratives (3)
THE 504 Studies in Dramatic Theory and Criticism (3)

Culminating Experience: three credit hours

ENG 593 Applied Project (3) OR
SLC 593 Applied Project)(3)

Total required credit hours: 15

Admission Requirements:

Students eligible for admission into the literary translation studies certificate program will meet the following eligibility requirements:

- Students should have an undergraduate degree from an accredited college or university, or be a current ASU graduate student or nondegree seeking applicant with demonstrated language proficiency. Because this is a certificate program in literary translation, it is to be expected that the majority of students applying for admission may be drawn from a discipline in the humanities or the fine arts (for example, English, history, theatre, or modern or classical languages taught in the School of International Letters and Cultures). However, prospective students from any discipline who would find intensive study of literary translation of use and interest, and who meet the required criteria, may apply.
- A minimum cumulative GPA of 3.00 or higher (scale is 4.00=A) in the last 60 hours of a student's first bachelor's degree program and a minimum of 3.00 cumulative GPA (scale is 4.00 = A) in the applicable master's degree is required.
- Students who are not in the College of Liberal Arts and Sciences must fulfill the requisite language requirements for admission, but the language requirements can have been fulfilled at the undergraduate level at ASU or another accredited institution.

Students should have knowledge of a language other than English, a minimum of six semesters of a second language, or the equivalent (for example, Advanced Placement (AP) in high school).

OR

- Students should have passed a language proficiency exam achieving advanced level in the target language. The language proficiency test in reading and writing will be administered by the relevant language program (i.e. French, German, Italian, Spanish, etc.).
- All students must attain advanced level (equivalent of advanced American Council on the Teaching of Foreign Languages requirements, approximately equivalent to six semesters of undergraduate study), in reading and writing as measured by a written exam in the target language (i.e. French, German, Italian, Spanish) as a prerequisite for taking SLC 551 Global Approaches to Translation (3). See ACTFL (<http://actflproficiencyguidelines2012.org/> (<http://actflproficiencyguidelines2012.org/>))

Students must fulfill both the requirements of Graduate Education and those of College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/>
LL 302C; LL 402C
Cynthia.Hogue@asu.edu or Cynthia.Tompkins@asu.edu
480-965-2826

Marriage and Family Therapy, MAS (LAMFTMAS)

Online Degree Search Title: Marriage and Family Therapy (MAS)

Campus: TEMPE

Program Description:

The purpose of this self-contained accelerated program is to provide high quality course work and supervised internship experiences that meet the degree requirements for licensure in the State of Arizona, to practice marriage and family therapy as determined and laid out by the Arizona Board of Behavioral Health Examiners. The degree requirements are specified by the board, and the program is designed to train practitioners who wish to

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practice marriage and family therapy.

Degree Requirements: 39 credit hours and a master's research paper.

The MAS in marriage and family therapy program requires the successful completion of a minimum of 39 credit hours and an applied project, including required course work and completion of 300 client-contact hours in a community internship placement approved by the master's degree in marriage and family therapy faculty. Internships are expected to last approximately 12 months. Students must maintain a GPA of 3.00 in all course work and satisfactorily meet the expectations of the agency supervising their internship.

Foreign Language Requirements: None

Thesis Requirements: None

GRE Scores: GRE scores are waived for this program.

Transportation: Students are required to have a vehicle and a valid Arizona driver's license for internship placement.

Written/Oral Internship Examination: An internship entrance examination to demonstrate readiness for internship placement will be held at the end of the first eight-week semester.

Admission Requirements:

Applicants must submit the online Graduate Education application.

Admission to the program is determined by the following criteria:

- a personal statement
- admission to ASU Graduate Education
- official transcripts of the applicant's academic record
- three letters of recommendation from individuals familiar with the applicant's academic background

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
Sanford School of Social and Family Dynamics
<https://thesanfordschool.asu.edu/graduate-studies/marriage-and-family-therapy>
SS 144
email@thesanfordschool.org
480-965-6978

Mathematics, MA (LAMATHMA)

Online Degree Search Title: Mathematics (MA)

Campus: TEMPE

Program Description:

The MA is designed to increase mathematical knowledge beyond the traditional bachelor's degree in order to prepare students for careers requiring sophisticated mathematical skills. Students may choose to specialize in:

- applied mathematics
- core mathematics
- mathematics education
- statistics

Degree Requirements: 30 credit hours and 2 written comprehensive exams, or 30 credit hours, a thesis and a written comprehensive exam.

Thesis option

The degree program requires:

- 30 credit hours of math or math-related graduate course work

- six of the 30 credit hours must consist of the thesis (599)
- one qualifying sequence examination (see the school website for examination information)
- a final oral examination in defense of the thesis

Nonthesis Option

The degree program requires:

- 30 credit hours of math or math related graduate course work
- two qualifying sequence examinations (see the school website for examination information)

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Computational Mathematical Sciences, BS
Mathematics, BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Applicants must submit:

- the Graduate Education online application
- official general GRE scores from ETS
- official transcripts
- a statement of education and career goals
- three letters of recommendation

Applicants whose native language is not English (regardless of where they now may reside) must provide proof of English proficiency.

Minimum background for consideration of admission to the master's program includes:

- a bachelor's degree in mathematics or a closely related area with a 3.00 GPA (4.00 scale)
- course work in linear algebra (equivalent to ASU course MAT 342 or MAT 343) and advanced calculus (equivalent to ASU course MAT 371)

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Mathematical and Statistical Sciences
<http://math.asu.edu/>
PSA 216
grad.math@asu.edu
480-965-3951

Mathematics, PHD (LAMATHPHD)

Online Degree Search Title: Mathematics (PhD)

Campus: TEMPE

Program Description:

The PhD is intended for students with superior mathematical ability. It emphasizes a solid mathematical foundation and promotes creative scholarship in mathematics and its many related disciplines.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

- Student must pass two qualifying examinations, a written comprehensive examination and an oral dissertation prospectus. See the school website for examination information.
- Student must register for 12 credit hours of dissertation (799).
- Student must write a dissertation and defend it orally in front of five dissertation committee members.

Admission Requirements:

Applicants must submit:

- the Graduate Education online application
- the general GRE scores from ETS

- official transcripts from all undergraduate and graduate studies
- a statement of education and career goals
- three letters of recommendation

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Minimum background for consideration of admission to the doctoral program in mathematics includes:

- a bachelor's degree in mathematics or a closely related area with a 3.00 or better GPA (4.00 scale)
- course work in linear algebra (equivalent to ASU course MAT 342 or MAT 343) and advanced calculus (equivalent to ASU course MAT 371)

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
 School of Mathematical and Statistical Sciences
<http://math.asu.edu/>
 PSA 216
grad.math@asu.edu
 480-965-3951

Mathematics Education, PHD (LAMTEPHD)

Online Degree Search Title: Mathematics Education (PhD) (Mathematics and Statistics Dept - Grades 9-20)

Campus: TEMPE

Program Description:

This interdisciplinary program accommodates students from a variety of academic backgrounds. It provides students with a solid foundation in graduate level mathematics as well as research skills and perspectives that will allow them to deal broadly with mathematics problems of:

- curriculum
- equity
- learning
- policy
- teaching
- technology

Conducting individual and collaborative research in the learning and teaching of mathematics is an integral part of the program.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Program requirements include the following:

- 12 credit hours of Research in Undergraduate Mathematics Education (RUME) 1-4, with qualifying exams given in RUME 1 and 2
- four graduate math courses from a list of options (see the school website for examination information)
- six credit hours of research (MTE 792)
- a written comprehensive examination
- an oral comprehensive examination
- an oral dissertation prospectus defense
- 12 credit hours of dissertation (MTE 799)

Each student must write a dissertation and defend it orally in front of five dissertation committee members.

Admission Requirements:

Applicants must submit:

- the Graduate Education online application
- the official general GRE scores (students must be competitive in an applicant pool)
- official transcripts
- a statement of education and career goals
- three letters of recommendation (at least two of these must be from faculty)
- a writing sample

Minimum background for consideration of admission to the PhD program in mathematics education includes a master's in mathematics or a closely

related area with a 3.00 GPA (4.00 scale) or a bachelor's degree in mathematics or a closely related area with exceptionally high grades and advanced course work in mathematics.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Mathematical and Statistical Sciences
<http://math.asu.edu/>
PSA 216
grad.math@asu.edu
480-965-3951

Medieval Studies (certificate), Certificate (LAMEDSTCE)

Online Degree Search Title: Medieval Studies (Grad Certificate)

Campus: TEMPE

Program Description:

The certificate program prepares students for advanced study or for academic positions by augmenting their skills and knowledge, thereby making them better equipped to meet the demands of their fields.

Degree Requirements: 18 credit hours (MA certificate), or 27 credit hours (PhD certificate).

Medieval Latin:

One semester (three to four credit hours) for MA students, two semesters (six to eight credit hours) for PhD students, with proficiency attested either by achieving a grade of "B" (3.00) or better in the Medieval Latin course(s) or by satisfactory performance on the Medieval/Renaissance Latin examinations offered by the Centre for Medieval Studies at the University of Toronto. (This requirement presupposes two years or 12 to 16 credit hours or equivalent of undergraduate training in Latin.)

Medieval vernacular language (e.g., Old English, Old Norse, Old French):

Two semesters (six credit hours) for MA students, three semesters (nine credit hours) for PhD students.

Paleography: One semester (three credit hours).

Medieval course work outside the major discipline: Two semesters (six credit hours) for MA students, three semesters (nine credit hours) for PhD students.

Admission Requirements:

All applicants to any certificate program must submit the Graduate Education online application. Graduate students admitted to a degree program in any field may earn one of two master's or doctorate-level certificates: the certificate in medieval studies or the certificate in Renaissance studies.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://acmrs.org/academic-programs/certificate>
COOR 4432
acmrs@asu.edu
480-965-8097

Microbiology, PHD (LAMICROPHD)

Online Degree Search Title: Microbiology (PhD)

Campus: TEMPE

Program Description:

The microbiology graduate program offers a dynamic research environment, broad range of basic, translational and use-inspired research areas, cutting-edge interdisciplinary training, and opportunities to work with world-class faculty and collaborative research partners committed to training scientific leaders with skills necessary to address significant global microbiological problems and challenges.

The program prepares students for research and teaching careers in universities and colleges, government agencies and industry.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The plan of study is designed by the student and the supervisory committee, consisting of a major professor and three additional faculty members. The program is tailored to the needs of the individual student.

- Eighty-four credit hours are required.
- A formal defense of the final written dissertation is required prior to graduation.
- The remainder hours are comprised of course work showing breadth in microbiology and related disciplines, seminars and research.
- Twelve hours of dissertation are required.
- Written and oral comprehensive examinations are required in order to advance to candidacy.

Admission Requirements:

Applicants must submit the Graduate Education online application.

Applicants should have:

- 3.00 minimum GPA during the last two years or last 60 credit hours of undergraduate or master's studies, with a significant number of science credits included in these
- completion of the requirements for an undergraduate major in biology, microbiology, chemistry or related discipline, with a strong background in mathematical and physical science
- minimum GRE scores in verbal (50th percentile), quantitative (70th percentile) and writing (5)
- proof of English proficiency for applicants whose native language is not English, regardless of where they may now reside*

*The following minimum test scores are acceptable as proof of English proficiency:

- Test of English as a Foreign Language (TOEFL): 600 paper-based or 100 Internet-based
- International English Language Testing System (IELTS): overall band score of at least 6.5 with no band below 6.0
- Pearson Test of English (PTE): 60

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<https://sols.asu.edu/graduate-studies/overview>
LSC 226
sols.grad@asu.edu
480-965-1768

Molecular and Cellular Biology, MS (LACELLMS)

Online Degree Search Title: Molecular and Cellular Biology (MS)

Campus: TEMPE

Program Description:

The MS in molecular and cellular biology prepares students for careers that span traditional disciplinary boundaries. The broad-based training provides the necessary skills for professional careers in academic institutions, governmental institutions and industry, particularly those related to health and chemical sciences.

The participating faculty in this interdisciplinary degree program are drawn primarily from the Department of Chemistry and Biochemistry and the School of Life Sciences, with additional faculty from the departments of:

- bioengineering

- chemical and materials engineering
- kinesiology
- physics
- psychology
- the School of Human Evolution and Social Change

One striking aspect of studies in this broad area of biological science is the interdisciplinary nature of the field. Similar approaches and techniques are used for studies of biological systems whether they are:

- animal
- bacterial
- plant
- viral

Degree Requirements: 30 credit hours and a thesis.

A minimum of 10 designated credit hours of molecular and cellular biology courses and six hours of research and thesis are required. The remaining courses are selected by the student in consultation with the supervisory committee.

Admission Requirements:

All applicants must submit the Graduate Education online application. Admission criteria are as follows:

- a 3.00 minimum GPA during the student's last two years or last 60 credit hours
- minimum GRE scores in verbal (50th percentile), quantitative (70th percentile) and writing (5)
- Test of English as a Foreign Language (TOEFL) scores of 600 paper-based or 100 Internet-based for non-native English speakers.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Applicants must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<http://sols.asu.edu/grad/>
LSC 226
sols.grad@asu.edu
480-965-1768

Molecular and Cellular Biology, PHD (LACELLPHD)

Online Degree Search Title: Molecular/Cellular Biology (PhD)

Campus: TEMPE

Program Description:

The PhD in molecular and cellular biology prepares students for careers that span traditional disciplinary boundaries. Research in this exciting field is focused on understanding the fundamental molecular events that are at the core of all life. The goal of the program is to provide a diverse range of research and training opportunities for doctoral students interested in pursuing a multidisciplinary approach to their studies that extends beyond the traditional boundaries of biological research. The broad-based training provides the necessary skills for professional careers in academic institutions, governmental institutions and industry, particularly those related to health and chemical sciences.

Participating faculty members and researchers are drawn from multiple departments, colleges, centers and institutes across the university, including the School of Life Sciences; the Department of Chemistry and Biochemistry; the School of Biological and Health Systems Engineering; the School of Mechanical, Aerospace, Chemical and Materials Engineering; the School of Mathematical and Statistical Sciences; the School of Human Evolution and Social Change; the Department of Psychology; and the New College of Interdisciplinary Arts and Sciences. Participating faculty members are also based at partner institutions in the greater Phoenix area, including the Translational Genomics Research Institute, Mayo Clinic in Arizona, Barrow Neurological Institute, Carl T. Hayden Veteran's Administration Medical Center and University of Arizona College of Medicine-Phoenix.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The plan of study is designed by the student and the supervisory committee, consisting of a professor in the major and three additional faculty members; the professor in the major and one other must be from the molecular and cellular biology core faculty.

- Eighty-four credit hours are required.
- A formal defense of the final written dissertation is required prior to graduation.
- An oral and written comprehensive examination are required in order to advance to candidacy.
- Twelve credit hours of dissertation are required and the remaining hours are comprised of core course work, seminars and research.

Admission Requirements:

All applicants must submit the Graduate Education online application. Admission criteria are as follows:

- a 3.00 minimum GPA during the student's last two years or last 60 credit hours
- minimum General GRE scores in verbal, quantitative, and writing. Subject GRE not required
- Test of English as a Foreign Language (TOEFL) scores of 600 paper-based or 100 Internet-based for non-native English speakers

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<https://sols.asu.edu/graduate-studies/overview>
LSC 226
sols.grad@asu.edu
480-965-1768

Museum Studies, MA (LAMUSSTMA)

Online Degree Search Title: Museum Studies (MA)

Campus: TEMPE

Program Description:

The museum studies program examines how museums produce and reflect culture and the role museums play worldwide. Students develop theoretical questions and applied skills that engage the functions, practices and critical analyses of museums. They also gain practical experience while being encouraged to challenge preconceived notions about museums and the way they affect (and are affected by) societies and cultures. Designed to be use-inspired, socially embedded and transcultural, the program ensures that students understand the meaning and significance of museums in contemporary society and prepares them for diverse museum careers.

Degree Requirements: 30 credit hours and a research portfolio.

The MA in museum studies requires that all students complete the following three courses, two of which must be taken during the first year of study:

ASB 500 Museum Studies Research Methods (3)
ASB 574 Exhibit Design and Development (3)
ASB 579 Critical Issues in Museum Studies (3)

Students must complete six credit hours of internship (ASB 584) approved by their supervisory committees, usually in a museum setting or museum quality collection or archive related to their chosen area of study: anthropology, art history, theory and criticism or public history. On completion, students must submit a journal or portfolio about the internship and skills acquired.

Additionally, six hours of ASB 592 Research are required.

Admission Requirements:

Students must submit an online Graduate Education application. The application deadline is Dec. 1 for admission in the following fall. There are no spring admissions. In addition to the general requirements for admission to the Graduate Education office, applicants must also provide:

- a statement of purpose outlining career and educational goals
- a current curriculum vitae or resume
- an optional sample of their written work
- three letters of recommendation
- official GRE scores
- transcripts of all undergraduate and graduate course work

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Suitable backgrounds for admission include disciplines related to museum studies, anthropology, history or art (fine art or art history).

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Museum Studies (certificate), Certificate (LAMUSEUMCE)

Online Degree Search Title: Museum Studies (Grad Certificate)

Campus: TEMPE

Program Description:

The museum studies program examines how museums produce and reflect culture and the role museums play worldwide. Students develop theoretical questions and applied skills that engage the functions, practices and critical analyses of museums. They also gain practical experience while being encouraged to challenge preconceived notions about museums and the way they affect (and are affected by) societies and cultures. Designed to be use-inspired, socially embedded and transcultural, the program ensures that students understand the meaning and significance of museums in contemporary society and prepares them for diverse museum careers.

Degree Requirements: 18 credit hours.

Eighteen credit hours are required, which include 12 hours of required course work, and a six-credit-hour internship at an approved museum. All requirements for the certificate program should be completed within a three-year time limit with a cumulative grade point average of at least 3.00. Students who require more time to finish the program (because of their part-time status or lack of desirable or available courses) must obtain approval from the executive committee.

For students currently enrolled in an ASU graduate degree program, applicable certificate courses may count towards their degree program with the approval and consent of the degree granting program. For certificate students who are later admitted to an ASU graduate degree program, up to 12 credit hours from the certificate program may count toward their doctoral degree or up to 12 credit hours may count towards their master's, with the approval and consent of the degree-granting program.

Admission Requirements:

Students must submit an online application to Graduate Education. The application deadline is Dec. 1 for admission in the following fall. For information on spring admission, please contact the school. In addition to the general requirements for admission to Graduate Education, applicants must also provide:

- a current curriculum vitae or resume
- a statement of purpose outlining career and educational goals
- an optional sample of their written work
- official GRE scores
- three letters of recommendation
- transcripts of all undergraduate and graduate course work

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Suitable backgrounds for admission include disciplines related to museum studies, anthropology, history or art (fine art or art history).

For U.S. Department of Education Gainful Employment Program Disclosure information, see <https://catalog.asu.edu/files/disclosures/LAMUSEUMCE/Gedt.html> (<https://catalog.asu.edu/files/disclosures/LAMUSEUMCE/Gedt.html>).

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/>
SHESC 233
shescgrad@asu.edu
480-965-6215

Nanoscience, PSM (LANANPSM)

Online Degree Search Title: Nanoscience (PSM)

Campus: TEMPE

Program Description:

The PSM in nanoscience is a cohesive program of interdisciplinary courses that provide the knowledge base required for research and innovation in nanoscience. The program incorporates courses in:

- chemistry and biochemistry
- electrical engineering
- materials science
- physics

Commercial innovation is a particular target goal of the degree, including applications in:

- health care
- nano-medicine
- optics
- semiconductor electronics and optoelectronics
- sensors

The PSM in nanoscience program is suitable for working professionals as well as for students who have obtained a traditional bachelor's or master's in related fields.

Degree Requirements: 30 credit hours including the required applied project course (NAN 593).

Core courses account for 15 of the 30 credits, including society- and intellectual-property-based courses in addition to core science courses. Many of the requisite elective courses are currently offered within the Departments of Physics, and Chemistry and Biochemistry. Most are cross-listed with other units.

The program includes a two-semester, student-centered professional seminar where the central role of the program as a vehicle for innovation emerges. During the spring semester and summer session, students conduct an individual applied project in association with a research group. The degree does not require a thesis. Rather, the applied project forms the basis of the final capstone presentation.

Core Courses (two three-credit hours each):

NAN 505 Nanoscience and Society (2) (final summer session)
NAN 506 Innovation and IP Management (2) (final summer session)
NAN 571 Quantum Physics for Nanoscience (3) (fall semester)
NAN 591 Professional Seminar (2) (each fall and spring)
NAN 593 Applied Project (3) (each spring and final summer session)

The NAN 505 and NAN 506 courses are designated as alternate core courses, which in some years will be given within the professional seminar.

Three alternate program options may be found at: <http://nanoscience.asu.edu/psm-program-study-and-program-options> (<http://nanoscience.asu.edu/psm-program-study-and-program-options>).

Throughout the program, students interact with research faculty and other students in a variety of disciplines related to nanoscience. Students also meet with visiting speakers and industrialists in the professional seminar, as well as other seminars.

If taken full time, the PSM in nanoscience can be completed in 12 months (fall semester, spring semester and two eight-week summer sessions). Another option is our two-year, part-time program, which allows prospective students and their employers flexibility in scheduling their program of study.

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Chemistry, BS
- Materials Science and Engineering, BSE
- Physics, BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements: • Applicants must submit an online Graduate Education application, with accompanying materials as specified on the Graduate Education website.

- Applicants who hold a bachelor's from a regionally accredited institution in physics, chemistry or a related field are eligible to apply to the program.
- GRE scores are not required for application, but will be taken into consideration if submitted.
- This program also seeks to attract students already employed in related areas, and who wish to become knowledgeable and skilled in nanoscience.
- A Test of English as a Foreign Language (TOEFL) or equivalent score for non-native English speakers will be required when applicable.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
Department of Physics
<http://nanoscience.asu.edu/>
PSF 470
nanoscience@asu.edu
480-965-3561

Natural Science (Geological Sciences), MNS (LANATSCIMN)

Online Degree Search Title: Geological Sciences (MNS)

Campus: TEMPE

Program Description:

The School of Earth and Space Exploration participates in the program leading to the MNS in natural science, concentration in geological sciences. This interdisciplinary degree is designed to meet the needs of professionals seeking a graduate-level degree. The program offers the opportunity for interdisciplinary graduate training in the natural sciences (i.e., biological sciences, mathematics and physical sciences) and cognate areas.

The degree program is especially suited for individuals who desire professional training rather than research training. Because of designed flexibility, the degree also offers the opportunity for individualized professional graduate programs depending upon the backgrounds and goals of the students. Students are expected to emphasize course work in two or more areas of concentration. The program must be interdisciplinary.

Degree Requirements: 30 credit hours and an applied project.

The supervisory committee is chosen by the student in conjunction with the advisor. The composition of the supervisory committee must reflect the interdisciplinary nature of the program. The student will develop a suitable applied project with the approval of the supervisory committee.

A program of study is recommended by the supervisory committee after conferring with the student. While the minimum of 30 credit hours is required for the degree, more credit hours may be required by the supervisory committee, depending upon the background of the student and the nature of the proposed program. All students admitted to this program are also required to take two seminars:

- GLG 500 SESE Colloquium (1)
- GLG 591 Faculty Research Seminar (1)

In some cases undergraduate courses may be required to remove deficiencies. An applied project is required; however, a thesis is optional. For the thesis option, a final written or oral examination, or both, is required. Each examination is administered by the supervisory committee.

Admission Requirements:

Students applying for admission to the program must submit:

- online Graduate Education application
- GRE scores
- statement of purpose
- three letters of recommendation

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

The application deadline for fall semester is Dec. 15 of the previous year.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu/>
ISTB4 795
seseinfo@asu.edu
480-965-5081

Natural Science (Physics), MNS (LAPHYSMNS)

Online Degree Search Title: Physics (MNS)

Campus: TEMPE

Program Description:

The MNS curriculum provides interdisciplinary graduate training in physics, physical science or physics education. The degree is especially suited for high school science teachers who desire professional training rather than research training. Designed for flexibility, the curriculum also features individualized professional graduate programs. These programs are well suited to the backgrounds and goals of students. Students are expected to emphasize course work in two or more areas of concentration. The program must be interdisciplinary.

Degree Requirements: 30 credit hours including the required applied project course (PHS 593).

Supervisory Committee:

- The graduate advisor and the student suggest names of persons to serve on the supervisory committee. The supervisory committee recommends the plan of study, after conferring with the student.
 - The supervisory committee, consisting of three faculty members, is appointed by the vice provost for Graduate Education upon the recommendation of the chair of the Department of Physics.
 - The supervisory committee is formed soon after the student has been admitted to the degree program and must reflect the interdisciplinary nature of the program.
 - The supervisory committee may require more courses, depending upon the background of the student and the nature of the proposed program.
- In some cases undergraduate courses may be required to overcome deficiencies.

Teachers may enroll in these courses in order to earn credit toward recertification or to pursue an MNS degree. These courses are held during the summer. Depending on teacher interest, they may be offered at other times. For some courses, the prerequisites are two semesters of trigonometry-based college physics and an introductory calculus course. Additional information about the MNS for high school physics teachers is available at: <http://physics.asu.edu/graduate/mns/> (<http://physics.asu.edu/graduate/mns/>).

Admission Requirements: • Applications must be submitted online with accompanying materials as specified by Graduate Education. To obtain application forms, access the Graduate Education website.

- Requirements for admission are the availability of resources for the proposed program and a Department of Physics faculty member designated to serve as a graduate advisor.
- A Test of English as a Foreign Language (TOEFL) or equivalent score will be required from applicants whose native language is not English.

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of

Department of Physics
http://physics.asu.edu
PSF 470
physics.grad@asu.edu
480-965-3561

Neuroscience, PHD (GCBMENPHD)

Online Degree Search Title: Neuroscience (PHD)

Campus: TEMPE

Program Description:

Neuroscience involves the study of the nervous system and its relation to an organism's function. It encompasses how gene and nerve networks interact with the environment throughout an organism.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The PhD in neuroscience degree program will integrate aspects of graduate level training from many different units on campus as well as from the program's partner institutions distributed across the greater Phoenix area. Partner institutions will include, but are not be limited to, The Barrow Neurological Institute, Translational Genomics Research Institute, University of Arizona College of Medicine, the Mayo Clinic and Sun Health.

The program requires the completion of 84 credit hours of which 12 hours, and only 12, are dissertation credits. At least 18 credits of formal course work are required. In consultation with their committee and their supervisor or mentor, students will be able to customize their plan of study to suit their particular interests and goals. Each student completes six credit hours of the core course credits. The core course sequence must be completed before the oral and written evaluation examinations are taken. Additional credits will be comprised of specialized disciplinary courses or research credits chosen in consultation with their mentor and advisory committee.

A one-credit-hour journal club seminar will be required each semester.

Advancement to candidacy will be dependent on successfully passing a formal comprehensive examination that includes a written proposal of the dissertation research and an oral examination in the broader areas that pertain to that research study. When the research is completed, the dissertation must be written and presented in a public seminar and successfully defended before the supervisory committee.

Admission Requirements:

Applicants must submit an online Graduate Education application plus the appropriate documents, including three letters of recommendation and official GRE scores.

The graduate committee will be responsible for decisions concerning potential recruitment of students and admission recommendation of students to the program.

They will also be highly active in the recruitment procedure each year.

Requirements

A bachelor's in science or engineering from a regionally accredited institution (or equivalent degree) is required. Applicants must submit the following:

- an official ASU Graduate Education application
- a statement of career and educational goals
- names of at least three neuroscience faculty in area of interest
- official GRE scores
- official transcripts of all undergraduate and graduate course work
- three letters of recommendation (two of which should be academic recommendations)
- official TOEFL scores (international students)
- current curriculum vitae or resume
- the Interdisciplinary PhD in Neuroscience Program Academic Record Form

Regular admission may be granted to applicants who have achieved a GPA of 3.00 (4.00 scale) or better in the last two years of work leading to a bachelor's and who are competitive in the applicant pool as evidenced by GRE verbal, quantitative and analytical scores, the statement of educational and career goals and the letters of recommendation. Particular attention will be paid to research experience and overall preparation in problem-solving abilities as evidenced by previous course work, research experiences and GRE scores.

Because this program draws on an extremely broad range of disciplinary backgrounds in recruiting students, there is no specific set of undergraduate course requirements other than those implied by the degree requirements described above. Most students will be expected to have

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had course work in biology, chemistry and math, or demonstrated ability through a subject test GRE. During the first semester, student progress in the core course will be closely monitored for difficulty in specific areas.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<http://neuroscience.asu.edu/>
LSE 215
beverly.mcbride@asu.edu
480-965-2719

Nonfiction Writing and Publishing (Certificate), Certificate (LANWPGRCT)

Online Degree Search Title: Nonfiction Writing and Publishing

Campus: DTPHX, POLY, TEMPE, WEST

Program Description:

Students in the nonfiction writing and publishing certificate will learn good writing, which includes the ability to read, analyze, and synthesize information and concepts, and express them with words. Graduates will have a portable, professional skill that can transcend disciplines and equip them for life both within and beyond the academy. Graduates will have the skills to publish analyses and narratives of complex ideas and knowledge for diverse audiences, from scholars to various public audiences. The certificate embraces all varieties of nonfiction:

- biography
- blogs and other types of web writing
- creative nonfiction
- essays
- formal scholarship
- genre-specific rhetoric
- journalism
- op-eds
- popular science writing
- narrative history
- young adult literature
- and any other types of prose not based on fiction

The certificate program is unique as it is embedded in specific academic content areas including disciplinary-specific and transdisciplinary areas.

Degree Requirements: 15 credit hours.

Core Courses: 3 credit hours

HPS 520/HST 520 Masters of Nonfiction Writing (3)

Concentration Courses: None required.

Electives: 12 credit hours

Culminating Experience: None Required.

Total required credit hours: 15

Admission Requirements:

Degree(s): Applicants must hold a bachelor's degree or higher from a regionally accredited U.S. institution. Applicants who attended school outside of the U.S. must hold a bachelor's or graduate degree, or equivalent, from an institution that is officially recognized by that country. Applicants must be enrolled in a graduate degree program, have a graduate degree (masters or doctoral), hold a postbaccalaureate professional degree or be enrolled in an accelerated undergraduate-masters program.

Applicants must submit:

- the nonfiction writing and publishing certificate application
- official transcripts
- writing sample

GPA: Applicants must have maintained a minimum grade point average of 3.00 (on a 4.00 scale) in the last 60 semesters or 90-quarter hours of undergraduate course work.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
Dean, College of Liberal Arts and Sciences
<https://shprs.clas.asu.edu>
LSA 220
stephen.pyne@asu.edu
480-965-4092

Philosophy, MA (LAPHILMA)

Online Degree Search Title: Philosophy (MA)

Campus: TEMPE

Program Description:

The MA in philosophy program is designed to prepare students to:

- be employed in any areas that require critical and analytical thinking (such as medicine, law, government or publishing)
- enter doctoral programs in philosophy at other institutions
- teach philosophy at the community college level

Degree Requirements: 30 credit hours and a portfolio, or 30 credit hours and a thesis.

There are two tracks of study for the master's in philosophy:

Thesis Option

- An additional six credit hours of PHI 599 Thesis is required (see Thesis Requirements below).
- Each student must take at least 24 credit hours of approved graduate-level courses, not including PHI 599 Thesis.
- Each semester's program of study must be approved by the director of graduate studies.
- Each student is required to take an approved graduate-level course of three credit hours or more in each of the following four major areas and to obtain at least a "B" (3.00) in each course: epistemology, history, metaphysics and value theory.
- Students must maintain a "B" (3.00) average or better in their graduate course work and at least a "B" (3.00) in the courses specified above.

Thesis Requirements

- After the thesis committee is formed, the student shall, within a reasonable time, present a thesis prospectus to that committee for approval.
- Each student must complete six credit hours of PHI 599 Thesis. No more than six credit hours of PHI 599 may count toward the 30-credit-hour requirement.
- This written work must demonstrate the ability to carry out independent research in philosophy.
- At the end of the third semester of graduate work, each student shall form a thesis committee, with the approval of the director of graduate studies. One member, the "director", shall chair the thesis committee. At least two members of the thesis committee, including the director, shall be members of the philosophy department.
- Once the thesis committee has certified that the student's thesis is sufficiently complete, the student shall present an oral defense of the thesis. The committee may still require changes in the thesis after the oral defense.

Nonthesis Option

- An additional three hours of PHI 592 Research is required to prepare the portfolio.
- Each semester's program of study must be approved by the director of graduate studies.
- Each student must take at least 27 credit hours of approved graduate-level courses, not including PHI 592 Research.
- Each student is required to take an approved graduate-level course of three credit hours or more in each of the following four major areas and to obtain at least a "B" (3.00) in each course: epistemology, history, metaphysics and value theory. An overall GPA of "B" (3.00) is required.

Portfolio Requirements

- A portfolio is required. This written work must consist of two papers from one of the major areas and must demonstrate the ability to carry out independent research in philosophy.
- Each student must complete three hours of PHI 592 Research no more than three credit hours of PHI 592 may count toward the 30-credit-hour requirement.
- At the end of the third semester of graduate work, each student shall form, with the approval of the director of graduate studies, a portfolio committee. At least two members of the portfolio committee, including the director, shall be members of the philosophy department.
- After the portfolio committee is formed, the student shall, within a reasonable time, present a portfolio prospectus to that committee for approval.
- Once the portfolio committee has certified that the student's portfolio is sufficiently complete, the student shall present an oral defense of the portfolio. The committee may still require changes in the portfolio after the oral defense.

Admission Requirements:

Applicants must submit an online Graduate Education application. All applications for admission to the master's in philosophy must be accompanied by:

- the applicant's current curriculum vitae
- the applicant's score in the GRE
- complete transcripts
- a sample of philosophical writing
- a statement of purpose
- three letters of recommendation from persons qualified to judge the applicant's potential for graduate work in philosophy

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

The application deadline is Feb. 15.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<https://shprs.clas.asu.edu/graduate/philosophy-0>

Philosophy, PHD (LAPHILPHD)

Online Degree Search Title: Philosophy (PhD)

Campus: TEMPE

Program Description:

The PhD in philosophy is designed to prepare students for careers:

- as philosophers
- as teachers of philosophy
- in areas that may benefit from advanced training in philosophy (such as law, civil service and publishing)

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The student's plan of study is selected by the student in consultation with the graduate director and the supervisory committee and is approved by the supervisory committee.

Course requirements:

This program requires 84 credit hours.

To ensure breadth in the traditional areas of philosophy, students must pass with a grade of "B" (3.00) or better:

Core course work (18)

One approved course in each of the following areas:

value theory (3)

applied philosophy (3)

formal methods (3)

epistemology (3)

metaphysics (3)

history of philosophy (3)

Electives (42)

At least nine and no more than 18 must be from other disciplines supporting the student's proposed dissertation area; master's degree credit allowance (30) from a previously awarded masters.

Research (12)

Dissertation (12)

Foreign Language Requirement:

None

Comprehensive Examination:

Students will be examined in their area of specialization. Normally, this occurs after the student has completed at least 60 hours of graduate course work. The student, with the advice of his or her committee, shall construct a bibliography. Approval of the bibliography must be secured from the committee one semester in advance of the scheduled written examination. The committee shall provide the student some questions at least 30 days prior to the examination, from which the written examination questions will be taken. The written examination shall occur on a single day and shall last no longer than six hours; three hours in the morning and three hours in the afternoon. The student may not use notes of any kind during the written examination. The oral examination normally follows the written examination within two weeks, depending on the availability of the committee.

Dissertation Prospectus:

Each doctoral candidate will prepare a prospectus of four to seven pages for the dissertation. The format and design of the prospectus will be determined by the candidate and committee chair. The prospectus should include the following:

- bibliography
- discussion of the approach to the project
- discussion of relevant literature
- thesis statement

Doctoral students achieve candidacy status in a letter from the vice provost for Graduate Education upon passing the comprehensive examinations and successfully defending the dissertation prospectus.

Dissertation:

A dissertation based on original research is required. Research for the dissertation is supervised by a committee of at least three faculty members, appointed by the graduate director in consultation with the student. Students must enroll for a minimum of 12 credit hours of research or dissertation credit after admission to candidacy.

Final examination:

An oral examination in defense of the dissertation is required.

Admission Requirements:

Applicants must submit the Graduate Education online application. All applications must be accompanied by:

- the applicant's current curriculum vitae
- the applicant's score in the GRE
- complete transcripts
- a sample of philosophical writing
- a statement of purpose
- three letters of recommendation from persons qualified to judge the applicant's potential for graduate work in philosophy

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/philosophy>
COOR 3312
SHPRSGradInfo@asu.edu
480965 8364

Philosophy (History and Philosophy of Science), MA (LAHPSMA)

Online Degree Search Title: Philosophy (History and Philosophy of Science) MA

Campus: TEMPE

Program Description:

Nationally, there is great interest in science and in understanding the nature of science and the forces that change scientific research. The job market in philosophy is strong for philosophers of science (and especially in the life sciences) with some positions remaining unfilled even when the market is intensely competitive in other areas. In addition, the history and philosophy of science is becoming a strong disciplinary emphasis within growing professional societies.

Some programs, elsewhere, focus primarily on philosophy or primarily on history, but those that bring the two together are regarded among the strongest in each area. The objective, here, is to provide a program for students who come to history and philosophy of science from the humanities and who seek a career based in philosophical analysis of the sciences. We have the research strength competitive with any international program.

Degree Requirements: 30 credit hours, including the required capstone course (HPS 551) and a thesis.

Graduate course work for the MS includes:

history of science (3)
philosophy of science (3)
topics in the history of science (3)
topics in the philosophy of science (3)
research methods in the history and philosophy of science (3)
prospectus writing (3)
research and thesis (12)

Admission Requirements:

No longer accepting applications.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<https://sols.asu.edu/graduate-studies/overview>
LSC 284
SOLS@asu.edu
480-965-8927

Philosophy (History and Philosophy of Science), PHD (LAHPSPHD)

Online Degree Search Title: Philosophy (History and Philosophy of Science) PHD

Campus: TEMPE

Program Description:

This degree combines solid training in the core areas of philosophy with an emphasis on interdisciplinary studies of the sciences, and their:

- conceptual structure
- epistemology
- history
- impacts on society

The strength of ASU's HPS program is to bring philosophy, history, and the study of science together.

This degree program is especially appropriate for students with a background in philosophy who seek to broaden their disciplinary studies with an historical perspective. Applicants will typically come from undergraduate programs that have included philosophical, historical, or history and philosophy of science training or with a master's degree in one of those fields. Science students are eligible as well, and will make up relevant undergraduate humanistic core courses during their first years. Most graduates will seek a career based in philosophical or historical analyses of the sciences.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Graduate course work includes:

history of science (3)
philosophy of science (3)
prospectus writing (3)
research methods in the history and philosophy of science (3)
dissertation (12)
topics in the history of science (3)
topics in the philosophy of science (3)
Additional courses required for the degree include:
advanced logic or approved equivalent (3)
approved philosophy or other relevant courses (9)
a course in history of philosophy (3)
a course in value theory (3)
HPS 615 Biology and Society Lab (3 hours, one credit each)
research or elective courses approved by dissertation chair (33)

Admission Requirements:

This program is no longer accepting applications.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<https://sols.asu.edu/graduate-studies/overview>
LSC 226
SOLS@asu.edu
480-965-1768

Physics, MS (LAPHYSIMS)

Online Degree Search Title: Physics (MS)

Campus: TEMPE

Program Description:

The MS in physics program provides graduate instruction and research experience appropriate to many physics-related careers. The structure of the program is flexible enough to allow a wide range of programs of study and a wide range of student backgrounds. It is also suitable for part-time study.

Completion of the program requires a minimum of two years, with students typically taking courses for the first three semesters and completing a research project in their final semester. The student defends a master's thesis at the end of the program.

Degree Requirements: 30 credit hours and a thesis.

The master's in physics can emphasize either physics alone or physics in combination with other fields.

Admission Requirements:

Applications must be submitted online with accompanying materials as specified on the Graduate Education website.

To be admitted to the master's program in physics without deficiencies applicants should have adequate undergraduate preparation equivalent to an undergraduate major of 30 credit hours in physics and 20 credit hours in mathematics. Courses in analytic mechanics, electromagnetism and modern physics, including quantum mechanics, are particularly important.

Students applying for admission must submit:

- test scores for the verbal, quantitative and analytical sections of the GRE*
- proof of English language proficiency**

*Submission of scores for the physics GRE subject test is recommended, although not mandatory.

**Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency in the form of a Test of English as a Foreign Language (TOEFL) or equivalent score.

Financial support in the form of teaching or research assistantships is contingent upon:

- satisfactory performance in course work
- timely completion of the final examination for the master's degree
- need and availability of such support

Students on probation are offered financial support only under exceptional circumstances.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
Department of Physics
<https://physics.asu.edu/>
PSF 470
physics.grad@asu.edu
480-965-3561

Physics, PHD (LAPHYSIPHD)

Online Degree Search Title: Physics (PhD)

Campus: TEMPE

Program Description:

The PhD in physics is intended for highly capable students having the interest and ability to follow a career in independent research. Graduates find positions in a variety of settings:

- academic faculty
- administration
- government labs
- industrial labs
- management

The recent advent of the graduate faculty initiative at ASU extends the spectrum of potential physics doctoral topics and advisors to include highly multidisciplinary projects that draw upon:

- biochemistry
- biology
- chemistry
- electrical engineering
- materials science
- other related fields

Consequently, students and doctoral advisors can craft novel doctoral projects that transcend the classical palette of physics subjects. Multidisciplinary expertise of this nature is increasingly vital to modern science and technology.

Current areas of particular emphasis within the department include:

- biological physics
- cosmology
- electron diffraction and imaging
- nanoscale and materials physics
- particle physics and astrophysics

The department has more than 100 doctoral students and more than 40 faculty members.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The physics doctoral program requires a student to:

- complete 84 credit hours of course work
- pass a written and an oral comprehensive examination
- prepare and defend a doctoral dissertation

Within the newly redesigned and modernized physics graduate curriculum, all doctoral students are required to take 18 credit hours of core physics courses, specifically:

First Semester

PHY 500 Research Rotation I (3)

PHY 521 Classical and Continuum Mechanics (3)

PHY 541 Statistical Physics (3)

Second Semester

PHY 500 Research Rotation II (3)

PHY 531 Electrodynamics (3)

PHY 576 Quantum Theory (3)

Course work beyond these core courses is established by the student's doctoral advisor and supervisory committee, working in partnership with the student. The intent is to tailor the doctoral training to the specific research interests and aptitudes of the student while ensuring that each graduating student emerges with the expertise, core knowledge and problem-solving skills that define a successful doctoral degree in physics.

Of particular note within the core courses are the PHY 500 Research Rotations, which are specifically designed to engage doctoral students in genuine, faculty-guided research starting in their very first semester at ASU.

Admission Requirements:

Applications must be submitted online with accompanying materials as specified on the Graduate Education website.

Applicants to the Department of Physics doctoral program must hold at least a baccalaureate from a recognized institution and must have had adequate undergraduate preparation equivalent to an undergraduate major of 30 credit hours in physics and 20 credit hours in mathematics. Courses in analytic mechanics, electromagnetism and modern physics, including quantum mechanics, are particularly important.

Applicants must submit test scores for the verbal, quantitative and analytical sections of the GRE. The subject GRE test scores should also be submitted; submission can be waived in extraordinary circumstances.

A Test of English as a Foreign Language (TOEFL) or equivalent score will be required, when applicable, from applicants whose native language is not English (regardless of where they may now reside).

Applicants requesting credit for prior graduate courses, taken either at ASU or elsewhere, must demonstrate mastery of the relevant course material to the graduate level standards of the Department of Physics.

Financial support in the form of teaching or research assistantships is contingent upon:

- satisfactory performance in course work
- timely completion of examinations (including the written and oral PhD comprehensive examinations)
- the need and availability of such support

Students on probation are offered support only under exceptional circumstances. The period for which a doctoral candidate may receive financial support through the Department of Physics does not normally exceed six years.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
Department of Physics
<http://physics.asu.edu/>
PSF 470
physics.grad@asu.edu
480-965-3561

Political Science, MA (LAPOLSCMA)

Online Degree Search Title: Political Science (MA)

Campus: TEMPE

Program Description:

The MA in political science program provides advanced education for students preparing for teaching, research or applied careers in political science. This degree may be taken as a terminal program or as a step toward eventual fulfillment of the requirements for the PhD. Students who plan to obtain the doctorate at ASU should apply directly to the doctoral program.

Degree Requirements: 30 credit hours and a portfolio, or 30 credit hours and a thesis.

- Additional hours must be taken in graduate-level courses and seminars each semester until course work is completed.
- All candidates must take POS 503 and the core courses in the student's major field.
- A maximum of six credit hours in approved courses may be taken outside the department.
- A minimum of 30 credit hours is required for the master's in political science.
- Six credit hours of reading and conference (POS 590) or independent study (POS 592) courses may count toward the 30-hour requirement.
- This program includes both a thesis and portfolio (nonthesis) option. If the thesis option is followed, the program must include a combination of three credit hours of research (POS 592) and three credit hours of thesis (POS 599) credit.

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Global Studies, BA
Political Science, BS
Political Science, BA

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Applicants must submit the ASU Graduate Education online application.

In order to be considered for admission for the fall semester, all application materials must be submitted to and received by the appropriate office (both Graduate Education and the political science program) by Jan. 2. There is no spring admission.

All required materials will be submitted through the Arizona State University Graduate Education admission application. These include:
Letters of Recommendation:

Three letters of recommendations are required from people capable of evaluating the applicant's political science expertise. Please provide the name and email addresses of recommenders as directed on the graduate admission application form.

Personal Statement:

Applicants should write a personal statement of one to three pages indicating what area of political science is intended to be studied and why.

If applicable, please include any honors, scholarships, prizes, honorary societies, etc. that have been received or the applicant belongs to.
Writing Sample:

Please submit a writing sample (i.e., research paper) that best represents the applicant's thinking and writing skills in political science or a related subject.

Political Science Courses:

To assist in evaluating all candidates, please list titles and related information for all previous undergraduate and graduate courses or course work in political science or related fields.

Please complete the information in a table with the following column headings:

Crs Title | Undergrad Credit Hrs | Graduate Credit Hrs | Grade | Institution | Year

Save this file in a .doc, .rtf, or .txt format and upload it on the Graduate Education admission application.

Test Scores:

GRE scores are required of all applicants. Applicants should ensure that GRE scores are reported on the application form, and they should request to have an official score report sent directly from ETS to Graduate Education. Photocopies are not acceptable.

The institution code with ETS is 4007.

Additional Information

Undergraduate course work in political science is not a prerequisite for admission. However, master's students should have a basic understanding of elementary statistics and the undergraduate content of the political science fields of concentration that they wish to study. Students should allow sufficient time to acquire such a background.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Politics and Global Studies
<https://pgs.clas.asu.edu/>
COOR 6801
spgs@asu.edu
480-965-6551

Political Science, PHD (LAPOLSCPHD)

Online Degree Search Title: Political Science (PhD)

Campus: TEMPE

Program Description:

The PhD in political science is intended to develop scholars who demonstrate a high level of excellence in teaching and research as professional political scientists. It is distinguished by a wide variety of areas of specialization, including:

- American politics
- comparative politics
- international relations
- political theory
- public policy

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The doctoral program in political science requires:

- 84 credit hours, including 12 hours of dissertation research
- a formal oral defense of the dissertation
- an oral comprehensive examination covering the dissertation prospectus

- POS 503 and POS 603 which are included in the 84 required hours
- the supervisory committee of three members, including the committee chair from the student's major field
- a written comprehensive examination in the major and minor fields

A maximum of 12 credit hours of approved course work outside the department but within ASU may count toward the 84 credit hours.

A maximum of 30 credit hours from a postgraduate program elsewhere may be transferred in and counted toward the 84 credit hours.

Admission Requirements:

Applicants must submit the ASU Graduate Education online application.

In order to be considered for admission for the fall semester, all application materials must be submitted to and received by the appropriate office (both Graduate Education and the political science program) by Jan. 2. There is no spring admission.

All required materials should be submitted through the Arizona State University Graduate Education admission application. These include:
Letters of Recommendation:

Three letters of recommendation are required from people capable of evaluating the applicant's political science expertise. Please provide the name and email addresses of recommenders as directed on the graduate admission application form.

Personal Statement:

Applicants should write a personal statement of one to three pages, indicating what area of political science is intended to be studied and why.

If applicable, please include any honors, scholarships, prizes, honorary societies, etc. that have been received or the applicant belong to.

Writing Sample:

Please submit a writing sample (i.e., research paper) that best represents the applicant's thinking and writing skills in political science or a related subject.

Political Science Courses:

To assist in evaluating the applicant's candidacy, list the titles and related information for all previous undergraduate and graduate courses or course work in political science or related fields.

Please complete the information in a table with the following column headings:

Crs Title | Undergrad Credit Hrs | Graduate Credit Hrs | Grade | Institution | Year

Save this file in a .doc, .rtf, or .txt format and upload it on the Graduate Education admission application.

Test Scores:

GRE scores are required of all applicants. Applicants should ensure that GRE scores are reported on the application form, and request to have an official score report sent directly from ETS to Graduate Education. Photocopies are not acceptable.

The institution code with ETS is 4007.

English Proficiency:

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts. Please see <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).

In addition to these documents Graduate Education requires an application fee, official transcripts, etc. Please see <https://students.asu.edu/apply> (<https://students.asu.edu/apply>) for more instructions.

For additional requirements for International students, please see <http://graduate.asu.edu/international> (<http://graduate.asu.edu/international>).

Applicants for financial aid should also complete and submit the application form for graduate assistantships by Feb. 1.

Doctoral students should have a basic understanding of elementary statistics and the content of the areas of concentration that they wish to study. Students should allow for sufficient time to acquire such a background.

Contact Information:

Liberal Arts & Sciences, College of
School of Politics and Global Studies
<https://pgs.clas.asu.edu/>
COOR 6801
spgs@asu.edu
480-965-8563

Psychology, PHD (LAPSYCHPHD)

Online Degree Search Title: Psychology (PhD)

Campus: TEMPE

Program Description:

The Department of Psychology offers doctoral programs designed to provide outstanding training in innovative research, methodology and the application of psychological principles to a wide variety of human conditions. The department is organized into six major areas of interest:

- behavioral neuroscience
- clinical
- cognitive science
- developmental

quantitative (must apply to the Quantitative Research Methods PhD)

- social psychology

Students pursue their graduate studies within one of these six areas, and each area determines the basic curriculum for their graduate program. There is, however, substantial opportunity to integrate courses of study across areas in the department.

Further, specialized emphases are available that integrate across programs in the university (e.g., integrating psychology and law).

At the core of doctoral training in psychology is an emphasis on the development of skill in research and quantitative methods. Faculty in all six areas are actively engaged in major research programs. These theoretically grounded research programs address the breadth of psychological processes:

- cognitive processes (e.g., attention, language, memory) as they occur within the context of perception and action, personality and issues of stigma and prejudice
- cultural influences on psychological processes
- evolution and behavior
- individual resilience
- lifespan developmental aspects of emotion and cognition
- neurobiological and psychosocial processes that underlie behavior and health (e.g., drug abuse, stress, heart disease)
- prevention of child mental health problems

A particularly unique strength of the Department of Psychology is the wealth of outstanding faculty whose specialization is quantitative methods. A breadth of courses and experiences in quantitative methods are available that are well integrated into the areas of research that characterize the department and offer students a rare opportunity to develop expertise in this critical domain.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

In addition to required course work (determined by training area), students take courses related to their area of interest as determined in consultation with their supervisory committees. All doctoral students complete 12 dissertation credit hours. Requirements vary across training areas.

Concurrent Degrees:

This degree is also offered as concurrent degree with Juris Doctor (JD)

Admission Requirements:

Applicants must submit an online Graduate Education application.

In addition to the general requirements for admission to Graduate Education, applicants must also provide the following:

- scores on the GRE
- transcripts

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Deadlines:

The Graduate Education online application, including all letters and supporting documents, must be received by Dec. 5 for applicants to the quantitative and developmental programs, Dec. 1 for applicants to the clinical program, and Jan. 5 for applicants to the behavioral neuroscience, social psychology, and cognitive science programs.

Contact Information:

Liberal Arts & Sciences, College of
Department of Psychology
<http://psychology.clas.asu.edu/graduate>
PSY 296
psychgrad@asu.edu
480-965-7606

Psychology (Quantitative Research Methods), PHD (LAPSYQUPHD)

Online Degree Search Title: Quantitative Research Methods (PhD)

Campus: TEMPE

Program Description:

The quantitative concentration of the PhD in psychology focuses on the broad class of quantitative and methodological issues that arise in the conduct of both basic and applied psychological research. There are seven core faculty members in the quantitative concentration, of whom several are also affiliated with a substantive area. This dual affiliation supports the training of students of quantitative methods against a backdrop of methodological issues associated with the development of the substance of psychological science. The quantitative concentration is committed to training the next generation of psychological methodologists who will make contributions in developing methods in the areas of measurement, design and analysis and evaluating the utility of new and existing methods for use in psychological research.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The quantitative curriculum is structured as a series of progressively more advanced courses. New quantitative courses may be implemented under an omnibus number (PSY 591) at the interest of the faculty.

Students complete the following course work:

PSY 530 Analysis of Variance (3)
PSY 531 Multiple Regression Analysis (3)
PSY 532 Analysis of Multivariate Data (3)
PSY 533 Structural Equation Modeling (3)
PSY 534 Psychometric Methods (3)
PSY 555 Experimental and Quasi-Experimental Designs (3)
PSY 591 Quantitative Seminar (3 credit hours annually)

During the course of training, students also complete these requirements:

psychological methodology electives (12)
substantive course work (6)
additional substantive or psychological methodology electives (6)
PSY 599 Master's Thesis (6)
PSY 792 Post-Master's Research (12)
PSY 799 Dissertation (12)

Admission Requirements:

Applicants must submit an online Graduate Education application. The online application, including all letters and supporting documents, must be received by Dec. 5.

In addition to the general requirements for admission to Graduate Education, applicants must also provide the following:

- scores on the GRE
- transcripts
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
Department of Psychology
<http://psychology.clas.asu.edu/graduate>
PSY 296
psygrad@asu.edu
480-965-7606

Religious Studies, MA (LARELIGMA)

Online Degree Search Title: Religious Studies (MA)

Campus: TEMPE

Program Description:

The MA in religious studies emphasizes the comparative study of religions. The program seeks to understand the phenomena of religion across a wide spectrum of cultural contexts and historical periods. Reflecting the different interests and areas of expertise of the faculty, the curriculum incorporates a variety of approaches to the subject:

- cultural
- historical
- literary
- sociological
- theological

Primary areas of emphasis include:

- Christianity
- Buddhism
- Hinduism
- Islam
- Judaism
- modern Western religious thought
- religion in the Americas (African-American, Latin American, Native American and North American religions)
- religions in Asia

Comparative themes and current theories are central to the curriculum. These include but are not restricted to:

- ethnography and anthropology of religion
- nationalism and ethnicity
- popular religion
- post-coloniality
- religion and gender
- religion, secularisms and modernity
- religious conflict and peace studies
- ritual studies
- transborder studies

Although students often concentrate upon a single religious tradition for their thesis work, the program seeks to provide a broadly comparative understanding of religions, not simply a specialist's training in a single tradition.

Degree Requirements: 30 credit hours including the required applied project course (REL 593) and a foreign language exam, or 30 credit hours, a thesis and a foreign language exam.

Thesis Option

This option is recommended for students intending to seek admission to a doctoral program upon completion of the master's or planning to teach in the discipline at community colleges. For the thesis option, the student must satisfy the following requirements:

- an oral defense of the thesis
- reading knowledge of all languages relevant to the proposed thesis topic
- a thesis that earns six credit hours of 599 Thesis credit
- 24 credit hours of course work, including six credit hours in methods and theory (REL 501 and 502), six credit hours of graduate seminar (REL 591), offered each semester on varying topics within the academic study of religion and three credit hours of research (REL 592) to prepare the thesis proposal

Portfolio Option

This option is recommended for students intending to augment their primary area of expertise and professional training in fields such as:

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- counseling
- journalism
- law
- the ministry
- social work
- K-12 education

For the portfolio option, the student must satisfy the following requirements:

- an oral defense of the portfolio
- a portfolio consisting of three publishable papers: one on theory and method, one on the student's minor area of study, and one on the major area of study
- reading knowledge of a foreign language relevant to the proposed area of concentration
- 30 credit hours of course work, including six credit hours in methods and theory (REL 501, 502), six credit hours of graduate seminar (REL 591), four courses in a major area of concentration and two courses in a minor area

Admission Requirements:

Applicants must submit an online Graduate Education application. To be eligible for admission to the graduate program in religious studies, an applicant must submit the following:

- email addresses of three academic references*
- evidence of having completed the equivalent of 15 credit hours of undergraduate work in the study of religions, including advanced courses in both western and Asian or other non-Western religions**
- a statement of purpose of approximately 1,000 words outlining the academic background, career goals and specific area of interest in religious studies in relation to fields offered by the faculty, to be sent to the graduate coordinator of the department
- test scores from the GRE
- a writing sample
- proof of English proficiency***

*Referees will be contacted by Graduate Education, with a request to complete a reference questionnaire.

**Students without the necessary background in religious studies may remove deficiencies by taking additional specified courses at the beginning of their program of study, which may not count toward the fulfillment of degree requirements.

***Test of English as a Foreign Language (TOEFL) is required for applicants whose native language is not English (regardless of where they may now reside).

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Complete applications are due by Jan. 1.

Contact Information:

Liberal Arts & Sciences, College of
 Historical, Philosophical & Religious Studies, Sch
<https://shprs.clas.asu.edu/graduate/religious-studies-ma>
 COOR 3307
 SHPRSGradInfo@asu.edu
 480 965 8364

Religious Studies, PHD (LARELIGPHD)

Online Degree Search Title: Religious Studies (PhD)

Campus: TEMPE

Program Description:

The academic study of religion is a central component of the humanities and has become increasingly recognized as a critical tool in understanding society and politics in a globalized world. The PhD program has two main goals:

- to provide supplementary training for graduate students in a range of related programs (including history, anthropology, political science, journalism, secondary education and justice studies) who would benefit from greater expertise regarding the nature and role of religion around the world
- to train graduate students for careers as scholars and teachers in the academic study of religion

Doctoral tracks in the study of religion approach the study in a variety of contexts. Specifically offered are tracks in:

- anthropology of religion
- global Christianity
- Islam in global contexts
- religion in Asia
- religion in the Americas

Degree Requirements: 84 credit hours, a foreign language exam(s), a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Course Work:

The plan of study must contain a minimum of 84 credit hours, including 12 hours of dissertation. Courses and research hours are approved by the student's supervisory committee.

Admission Requirements:

All applicants must submit an online Graduate Education application. In addition to the general requirements for admission to Graduate Education, applicants must also submit:

- email addresses of three academic references*
- GRE scores
- a statement of purpose of approximately 1,000 words
- Test of English as a Foreign Language (TOEFL) for applicants whose native language is not English**
- a writing sample

*Referees will be contacted by Graduate Education to complete a reference questionnaire.

**An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

The application deadline is Jan. 1.

Contact Information:

Liberal Arts & Sciences, College of
 Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/graduate/religious-studies-phd>
 COOR 3307
 SHPRSGradInfo@asu.edu
 480-965-8364

Renaissance Studies (certificate), Certificate (LARENAISCE)

Online Degree Search Title: Renaissance Studies (Grad Certificate)

Campus: TEMPE

Program Description:

The certificate program prepares students for advanced study or for academic positions by augmenting their skills and knowledge, thereby making them better equipped to meet the demands of their fields.

Degree Requirements: 18 credit hours (MA certificate), or 27 credit hours (PhD certificate).

Medieval/Renaissance Latin:

One semester (three to four credit hours) for MA students, two semesters (six to eight credit hours) for PhD students, with proficiency attested either by achieving a grade of "B" (3.00) or better in the medieval Latin courses or by satisfactory performance on the Medieval/Renaissance Latin examinations offered by the Centre for Medieval Studies, University of Toronto. This requirement presupposes two years or 12 to 16 credit hours or equivalent of undergraduate training in Latin.

Early modern language at the upper-division level:

Two semesters (six credit hours) for MA students; three semesters (nine credit hours) for PhD students. Literature or linguistics classes may apply.

Paleography: One semester (three credit hours)

Course work outside the major discipline: Two semesters (six credit hours) for MA students three semesters (nine credit hours) for PhD students.

Admission Requirements:

All applicants to graduate certificate programs must submit the Graduate Education online application. Graduate students admitted to a degree program in any field may earn one of two master's or doctorate-level certificates: the certificate in medieval studies or the certificate in Renaissance studies.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://acmrs.org/academic-programs/certificate>
COOR 4432
acmrs@asu.edu
480-965-8097

Responsible Innovation in Science, Engineering and Society (certificate), Certificate (GCRSESGRCT)

Online Degree Search Title: Responsible Innovation in Science, Engineering and Society Certificate

Campus: TEMPE

Program Description:

The certificate in responsible innovation in science, engineering and society is designed for scientists, engineers, research managers, technology officers, public administrators, and policy officials who seek to advance science and technology to improve societal outcomes and to develop creative solutions to the fundamental global challenges of the 21st century.

The certificate provides knowledge, skills and methods for analyzing innovation and technological systems; knowledge and uncertainty in decision-making; the regulation and governance of science and technology; the uptake of science and technology in complex societal settings; and interactions between science, technology and the public. The certificate may be pursued by professionals in industry or government or by graduate students pursuing their ASU degree program. The certificate will involve 15 credits of course work, which includes a significant capstone experience.

Degree Requirements: 15 credit hours including the required capstone course HSD 580.

This program requires 15 credit hours.

core course credit hours: 3

elective course credit hours: 9

culminating experience or culminating experience options:

HSD 580: Practicum (3 credit hours)

Admission Requirements:

Degree: Applicants must have earned a U.S. bachelor's degree or higher from a regionally accredited institution or the equivalent of a U.S. bachelor's degree from an international institution that is officially recognized by that country.

GPA: Applicants must have maintained a "B" (3.00 on a 4.00 scale) grade point average in the last 60 semester hours or 90 quarter hours of undergraduate course work.

International Students: International students who need an F1 or J1 visa will first need to apply to and be accepted into a master's or doctoral program prior to being considered for the certificate program. International students residing in the USA on other types of visas must adhere to all Graduate Education policies and procedures regarding admission be considered for admission to this certificate program.

English Proficiency: Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. Acceptable proof is as follows (or the most current requirements at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>)):

- TOEFL score of at least 550 (PBT) or 80 (iBT)
- IELTS overall band score of at least 6.5 with no band below 6.0.
- Pearson Test of English (PTE) score of at least 60

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
 Dean, College of Liberal Arts and Sciences
<http://archive.cspo.org/outreach/certificate-responsible-innovation/>
 INTDSB 366
sciencepolicy@asu.edu
 480-727-9498

Scholarly Publishing (certificate), Certificate (LASCHPUBCE)

Online Degree Search Title: Scholarly Publishing (Grad Certificate)

Campus: TEMPE

Program Description:

The scholarly publishing certificate program offers training in publishing studies to graduate students from any discipline. The program focuses on publishing wherever it occurs: museums, corporations, cultural institutions, university presses, commercial houses, digital start-ups, libraries, journal and textbook publishers, and learned societies. Students create the future world of publishing as it is expressed in the digital world of e-books, apps, blogs, websites, interactive media, online scholarship, and popular writing. Graduates work for publishing houses, museums, corporations, cultural institutions, government agencies and libraries.

Degree Requirements: 20 credit hours.

Course work includes four required core courses and electives from a variety of disciplines. The certificate requirement includes a summer internship. Some courses may be applied to both the certificate and the student's degree program.

Admission Requirements:

Graduate students in any discipline may pursue a certificate in scholarly publishing in conjunction with their degree programs. The program is also open to students who already hold graduate degrees.

The application deadline is Jan. 1 for enrollment in August. Applications will also be reviewed after the deadline if space remains in the class.

Applicants are required to submit a Graduate Education online application solely for the scholarly publishing program, regardless of any applications to other programs.

Please submit the following materials:

- Applicants must submit an online Graduate Education application.
- A resume or curriculum vitae is required, and it must be uploaded into the online application.
- A letter of intent should be addressed to the history review committee explaining your scholarly background and training, your career goals and why you want to pursue graduate study at ASU (about 500 words in length).
- Three reference letters are required. Students should contact their references and inform them that they will be contacted by Graduate Education and asked to submit an electronic recommendation. Students are required to submit a minimum of three email addresses from faculty or others qualified to speak to the student's suitability for graduate study in scholarly publishing.
- Official transcripts should be mailed to Graduate Education. (It is not necessary to mail transcripts to the certificate program).
- A writing sample is required. Submit a sample of your written work electronically. The writing sample may be an article (published or unpublished), a research paper, or any other extended example of your expository skill no longer than 35 double-spaced pages in length. Longer writing samples should not be submitted without first consulting the graduate director. Documents should not be password protected. Acceptable file types are .rtf, .pdf, and .doc.
- Proof of English proficiency is required for applicants whose native language is not English, regardless of where they may now reside.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

For U.S. Department of Education Gainful Employment Program Disclosure information, see
<https://catalog.asu.edu/files/disclosures/LASCHPUBCE/Gedt.html> (<https://catalog.asu.edu/files/disclosures/LASCHPUBCE/Gedt.html>).

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/graduate/certificate/scholarly-publishing-grad-certificate>
COOR 3307
scholarly.publishing@asu.edu
480-965-8364

Science and Technology Policy, MSTP (LAHSDPSM)

Online Degree Search Title: Science and Technology Policy (MSTP)

Campus: TEMPE

Program Description:

The ASU science and technology policy master's program provides professional education for students seeking advanced public, nonprofit or private sector careers in science and technology policy and related fields in the United States or abroad. Students will learn essential skills, knowledge and methods for analyzing innovation, expertise and large-scale technological systems. Particular emphasis is placed on the political and societal contexts and impacts of science and technology. The program is a one-year cohort-based program designed to attract students of the highest caliber in their early- to mid-careers.

Students will acquire the following knowledge and skills.

- analysis of knowledge systems supporting policy decisions
- analysis of scientific and technological innovation systems
- analysis of the social and policy dimensions and implications of large-scale technological systems
- skills in collaborative, team-based analysis of science and technology policy problems
- skills in effective professional communication
- understanding of the theoretical foundations of the interactions among science, technology and society
- understanding of U.S. and, where appropriate to a student's career interests, international science and technology policies and the policy processes that generate them

Degree Requirements: 30 credit hours including the required applied project course (HSD 593).

required core courses:

HSD 501 Science and Technology Policy (3)

HSD 502 Advanced Science and Technology Policy (3)

restricted electives from a list provided by the program chair (6)

applied policy analysis courses:

HSD 505 Science and Technology Policy Workshop in Washington, DC (3)

HSD 593 Applied Project in Science and Technology Policy (3)

internship:

HSD 584 Internship in Science and Technology Policy (3)

- electives (9)

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

African and African American Studies, BA

Justice Studies, BS

Justice Studies, BA

Women and Gender Studies, BA

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Students may enroll only in the fall semester of each year.

- Applicants must submit an online Graduate Education application.
- Students are required to hold a minimum of a bachelor's (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing.
- Students are strongly encouraged to have prior relevant education, training or experience in science and technology policy; management of science, technology or innovation; or science, technology and society.

- Students must hold a minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's first bachelor's program.
- The GRE is required for admission.
- Three letters of recommendation are required.
- A resume is required.

A personal statement is required.

Proof of proficiency in the English language is required for applicants whose native language is not English (regardless of where they may now reside).

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
 Dean, College of Liberal Arts and Sciences
<http://sciencepolicy.asu.edu>
 INTDSB 366
sciencepolicy@asu.edu
 480-727-9498

Social and Cultural Pedagogy, MA (LASCPMA)

Online Degree Search Title: Social and Cultural Pedagogy (MA)

Campus: TEMPE

Program Description:

The MA in social and cultural pedagogy is an innovative degree that immerses students in the theory and practice of social pedagogy, and prepares them for working with diverse populations in a variety of organizational and community settings.

The program is geared to those working in education-related settings primarily in the independent and nonprofit sector. This degree is relevant for individuals interested in areas such as childhood and youth studies, adult education and workplace learning, popular and digital cultures, social movement learning, restorative justice, disabilities, indigenous knowledge, and ecopedagogy.

The program emphasizes research, theory and practice related to nonformal and informal education dynamics throughout the lifespan, focusing on change-oriented processes and foregrounding anthropological and sociological perspectives. It includes core courses in historical and current developments in social pedagogy, lifelong and experiential learning, and sociocultural approaches to education.

Courses will be offered through the Internet (iCourses) and face-to-face. Social pedagogy is both an interdisciplinary academic field of inquiry and a field of professional practice. It has a long tradition that can be traced back to 1844, and it is currently experiencing a surge in scholarly and professional interest. There are many master's programs in social pedagogy around the world (especially in Europe and Latin America), but the master's degree in social and cultural pedagogy at ASU is the first of its kind in North America.

Degree Requirements: 30 credit hours and a thesis, or 30 credit hours including the required applied project course (SST 593).

Required courses:

SST 501 Foundations of Social Transformation (3)

JUS 500 Research Methods (3)

SST 510 Social and Cultural Pedagogy (3)

electives: 15 credit hours

applied project: 6 credit hours (SST 593) or thesis: 6 credit hours (SST 599)

Admission Requirements:

All applicants must complete the Graduate Education online application.

A bachelor's degree from a regionally accredited college or university recognized by ASU is required. Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program.

Writing sample: a two- to three-page application letter in which the applicant explains why they want to study in this program and why they feel well-prepared to succeed in this graduate program.

Resume: the resume should describe prior educational history, related work, or volunteer experiences.

TOEFL scores are required for applicants whose native language is not English.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<https://sst.clas.asu.edu/node/2245>
WILSN 122
Audra.Horney@asu.edu
480-965-3897

Social Transformation Certificate, Certificate (LASOTGRCT)

Online Degree Search Title: Social Transformation (Certificate)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description:

This certificate is designed for graduate and postbaccalaureate students interested in how change is catalyzed by social movements, protest, law, social entrepreneurship, activism and community organizing. Through the exploration of theories and research related to social change, students are able to augment their disciplinary degrees and be prepared to contribute as leaders and change makers in their communities.

Degree Requirements: 15 credit hours and a practicum.

The electives taken will be selected with the faculty advisor. The faculty advisor will directionalize the electives to ensure they focus on a common theme. That will help to ensure students' experiences in the courses align with the learning goals outlined for the certificate.

The culminating experience will be a community-based practicum experience and a paper that synthesizes students' interests with their implications for social transformation. The practicum placement will be with a local nonprofit or governmental organization working toward social innovation and social change. Students will be assisted in identifying a practicum placement by the program advisor. At the end of the practicum, students will produce a paper which will analyze the social and political dimensions of some issue within (or aspect of) social transformation. The paper should also identify the implications of this aspect or issue for social policy and social justice. The paper should begin within the context of the practicum experience and will be presented to the designated subset of the certificate executive board for final approval. Students will take three credits of SST 580 Practicum to complete the practicum and then revise, improve and finalize the paper with a certificate faculty member.

Admission Requirements:

To be considered for admission, students should submit the following documents to the School of Social Transformation program office:

- Students must submit a statement of purpose for pursuing the certificate that is no longer than 250 words. The statement should indicate any demonstrated interest in the study of social transformation (e.g., previous course work, professional experience, internships, career plans).
- Students who are not regularly admitted to an ASU graduate program must submit an official transcript showing the completion of a bachelor's degree in any academic field. These students should have maintained at least a 3.00 GPA or equivalent during their junior-senior years of work on the bachelor's degree.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the School of Social Transformation.

Admission Decision Process

Applicants must meet the above criteria as judged by the School of Social Transformation graduate committee to have strong academic credentials (undergraduate or graduate GPA) as well as demonstrated interest in the area of social transformation. The committee will review applications for the certificate program in the fall and spring semesters of each year and make recommendations for admission to Graduate Education.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://sst.clas.asu.edu/undergrad/why-study-school-social-transformation>
WILSN 245
SST@asu.edu
480-965-7682

Socio-Economic Justice (certificate), Certificate (LAECJUGRCT)

Online Degree Search Title: Socio-Economic Justice (Grad Certificate)

Campus: TEMPE

Program Description:

The graduate certificate in socioeconomic justice addresses the social and political implications of global and local economies for economic inequality and social justice. This transdisciplinary program fuses interests in political economy, socioeconomic inequality and analysis of related policies and their consequences for social welfare in areas of income, housing, employment and education. This certificate complements the current graduate curriculum at ASU and is structured to allow students to draw upon a combination of core courses in justice and social inquiry and course work from units from across the ASU campuses. Our approach is transdisciplinary (i.e., inclusive of courses in a variety of disciplines but transcending disciplinary boundaries through an integrative core curriculum), intersectional (i.e., considering gender, race, class, nation and sexual relations) and transnational (courses that examine global and local concerns). It will strengthen student understanding of the justice implications of the convergence of social and economic inequalities in the global economy.

Degree Requirements: 15 credit hours.

This includes two core (required) courses, three elective courses and a one-credit hour culminating experience that includes a research paper.

Required Certificate Core Courses (6)

Students must select one course from each of the following two areas of study:

1. Economic Justice (3)

Students must select one of the following courses:

JUS 550 Gender, Race and Economic Justice (3)

JUS 660 Globalization and Socio-Economic Justice (3)

2. Conducting Research in Communities (3)

Students must select one of the following courses:

JHR 525 Action Research (3)

JUS 633 Community Research (3)

Elective Courses (9)

Students must select three electives on socioeconomic justice from among the following courses:

ASB/POL 447 Citizenship, Nationalism and Identity (3)*

ASB 591 Environmental Justice and the City (3)

JHR 510 Problem-Based Seminar: Oaxaca; Migration, Gender and Human Rights (3)

JHS 511 Community-Embedded Seminar: Contemporary Slavery and Trafficking (3)

JHR 525 Action Research (3)

JUS 405 Economic Justice (3)*

JUS 415 Gender and International Development (3)*

JUS 494 Advanced Topics in Global Justice (3)*

JUS 550 Gender, Race and Economic Justice (3)

JUS 555 Migration, Immigration and Justice (3)

JUS 591 Family Work and Justice (3)

JUS 591 Globalization and Livable Cities (3)

JUS 591/691 Difference, Citizenship and Globalization (3)

JUS 591/691 Governance, Citizenship and Justice (3)

JUS 660 Globalization and Socio-Economic Justice (3)

JUS 633 Community Research (3)

POS 598 North-South Relations (3)

POS 598 Urban Politics and Policy (3)

SOS 514 Human Dimensions of Sustainability (3)

SWG 531 Social Policy and Services (3)

SWG 533 Diversity and Oppression (3)

SWG 591 Border Family and Community Asset Building Policies (3)

WST 598 Gender and Globalization in Latin America (3)

*Note: Only one 400-level courses listed above is allowed.

Must have prior approval from the director of the certificate in economic justice program for any 400-level course.

Culminating Experience (1)

This capstone research paper synthesizes the student's disciplinary interests with their implications for socioeconomic justice. Students register for JUS 590 Readings and Conference.

Admission Requirements:

All applicants must submit the Graduate Education online application.

Graduate students who are regularly admitted to a graduate degree program at ASU or students who have completed a bachelor's at a regionally accredited U.S. institution or equivalent are welcome to apply for the socioeconomic justice graduate certificate program.

To be considered for admission, applicants must meet the Graduate Education office criteria for admission to a graduate certificate program at ASU. Students also should submit the following documents to the justice and social inquiry program office:

- at least one letter of recommendation
- a statement of purpose for pursuing the certificate
- a writing sample demonstrating excellent writing and analytical skills
- transcripts*

*Students who are already enrolled in an ASU graduate program must submit an unofficial copy of their graduate transcripts and be in good standing with Graduate Education; students who are not regularly admitted to an ASU graduate program must submit an official transcript showing the completion of a bachelor's in any academic field with a junior and senior GPA of at least 3.00 or equivalent.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<https://sst.clas.asu.edu/graduate/certificates>
WILSN 125
SST@asu.edu
480-965-7682

Sociology, MA (LASOCMA)

Online Degree Search Title: Sociology (MA)

Campus: TEMPE

Program Description:

This degree program provides advanced training for those preparing for teaching, research or applied careers in sociology and may be taken either as a terminal program or as a step toward eventual fulfillment of requirements for the doctorate.

Degree Requirements: 32 credit hours and a thesis.

The MA in sociology program includes:

SOC 503 Academic Professional Development (1)
SOC 500 Research Methods and 505: Applied Regression Analysis (6)
SOC 585 Sociological Theory (3)
SOC 599 Thesis (6)
elective courses (16)

Accelerated Degrees:

This degree is also offered as an accelerated degree with Sociology, BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

All applicants must submit a Graduate Education online application.

Admission to the program is determined by the following criteria:

- a current resume or curriculum vitae
- a personal statement detailing professional goals and research experiences
- a writing sample

- GRE scores (verbal, quantitative and writing)
- three letters of appraisal from persons familiar with the applicant's academic background
- valid transcripts of the student's academic record

The application deadline is Jan. 15.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
 Sanford School of Social and Family Dynamics
<https://thesanfordschool.asu.edu/sociology>
 SS 144
email@thesanfordschool.org
 480-965-6978

Sociology, PHD (LASOCPHD)

Online Degree Search Title: Sociology (PhD)

Campus: TEMPE

Program Description:

This degree provides advanced training in theory, research methodology and substantive fields to prepare sociologists for teaching and research with special emphasis on family, medical sociology and demography.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Thirty credit hours from a previously awarded master's degree may be applied to the 84-credit-hour requirement.

The PhD requires 54 credit hours beyond the master's degree:

theory (3)

methods (3)

statistics (3)

dissertation (12)

elective courses and research credits (33)

First-year doctoral students are required to take SOC 503 Sociology as a Profession.

A minimum of 30 credit hours of the approved doctorate program, exclusive of dissertation and research hours, must be completed after admission to the program.

Admission Requirements:

Applicants must submit the online Graduate Education application. Admission to the program is determined by the following criteria:

- a current resume or curriculum vitae
- a personal statement detailing professional goals and research experiences
- a writing sample
- a master's or its equivalent in sociology or a related field*
- GRE scores (verbal, quantitative and writing)
- three letters of appraisal from persons familiar with the applicant's academic background
- valid transcripts of the applicant's academic record

*The option is available for a few outstanding undergraduates to apply directly to the doctorate program. These students must obtain a master's-in-passing.

All applications are due Jan. 15.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
Sanford School of Social and Family Dynamics
<https://thesanfordschool.asu.edu/graduate-studies/sociology-graduate-program>
SS 144
email@thesanfordschool.org
480-965-6978

Spanish, MA (LASPANMA)

Online Degree Search Title: Spanish (MA)

Campus: TEMPE

Program Description:

The MA in Spanish program combines Spanish, Spanish American and Mexican American literature, linguistics and culture. All programs have a research component: candidates for the master's in Spanish write a thesis.

The program has two concentrations: literature and culture, and linguistics. It is possible to concentrate courses in one of two subconcentrations within the linguistics track:

- sociolinguistics
- second language acquisition and applied linguistics.

Students admitted to the master's program with a major in secondary education may elect Spanish as the subject matter field.

Degree Requirements: 30 credit hours and a portfolio, or 30 credit hours, a thesis and a written comprehensive exam.

Students seeking a master's in Spanish should consult with the respective graduate representative.

Comprehensive Examination: All candidates are required to pass a comprehensive written examination designed to evaluate the candidate's knowledge in the area of specialization. A reading list is provided as a guide to preparation for this examination.

Thesis: All candidates must write a thesis.

Admission Requirements:

Students interested in applying to this program must submit the following documentation using the online application:

- a Graduate Education online application
 - an academic writing sample; for example, an academic term paper, critical paper or research paper approximately 10-25 pages prepared in an upper-division or graduate Spanish course
- a personal statement (preferably in Spanish) that is no more than two pages summarizing past educational experiences and goals in pursuing a graduate degree
- a resume, if interested in a teaching assistantship
 - three letters of recommendation*

*The online application will ask for recommender's names and email addresses. They will be notified and given instructions. If a candidate is interested in obtaining a teaching assistant position, the two letters of recommendation included with their application to the program should also address the candidate's competence in Spanish and ability (potential or demonstrated) to conduct a university-level language course. If the authors of the academic letters are unfamiliar with a candidate's teaching ability, a separate letter addressing this issue from a more appropriate source should be included in the application package.

See <https://international.clas.asu.edu/graduate/spanish-ma> (<https://international.clas.asu.edu/graduate/spanish-ma>) for more information.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/graduate/spanish-ma>
LL 440
silc@asu.edu
480-965-6281

Spanish, PHD (LASPANPHD)

Online Degree Search Title: Spanish (PhD)

Campus: TEMPE

Program Description:

The School of International Letters and Cultures offers a graduate program in Spanish leading to the PhD in Spanish with concentrations in literature and culture studies.

Degree Requirements: 84 credit hours, two foreign language exams, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

- The candidate must present an acceptable dissertation based on original investigation. The dissertation must represent a significant contribution to knowledge and demonstrate the candidate's ability to do independent, scholarly research.
- Each candidate is expected to demonstrate a reading knowledge of two languages other than English and Spanish. The language requirements must be satisfied before the candidate is eligible to take the comprehensive examination.
- The candidate must complete 84 credit hours of graduate-level work.
- A final oral examination is required. This examination covers the subject matter of the dissertation and appropriate field.
- The candidate must complete 12 (and only 12) credit hours of dissertation (SPA 799).
- Thirty hours of credit for the master's in Spanish will count toward the 84 credit hours.
- A written and oral comprehensive examination, designed to ascertain the candidate's knowledge and orientation in the field of study and competency to proceed with the dissertation, is required at or near the end of course work.

Admission Requirements:

All candidates for the doctoral program in Spanish must submit the Graduate Education online application and fulfill the general requirements of the Graduate Education office concerning admission.

Candidates for the program will be required to demonstrate a near-native oral proficiency in Spanish and to show that they have developed a high order of expository prose in English and Spanish by presenting a term paper or a chapter of the master's thesis.

The Spanish graduate program requires a 3.75 overall GPA (on a 4.00 scale).

Admission to the Spanish doctoral program requires the candidate to present a master's in Spanish or equivalent from an accredited institution.

The committee may request letters of recommendation regarding the applicant's command of Spanish and potential for doctoral work. A personal interview may also be appropriate.

It is recommended, but not required, that students applying for admission to the master's or doctoral program submit scores on the GRE; this is especially advisable for the applicants for the Spanish Graduate Fellowship Award.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/graduate/spanish-phd>
LL 440
silc@asu.edu
480-965-6281

Statistics, MS (GCSTATMS)

Online Degree Search Title: Statistics (MS)

Campus: TEMPE

Program Description:

The School of Mathematical and Statistical Sciences offers a program leading to the degree MS in statistics. The program is interdisciplinary in that it draws upon faculty research and teaching interests from various academic units so programs of study can be tailored to reflect individual needs and goals.

Degree Requirements: 30 credit hours including the required applied project course (STP 593 or IEE 593 or ECN 593) and an oral comprehensive exam, or 30 credit hours, a thesis and an oral comprehensive exam, or 30 credit hours, a written comprehensive exam and an oral comprehensive exam.

Completion of the degree requires 30 credit hours of approved credit, none of which may be from the prerequisites. The program must include the nine credit hours from three required theory courses:

STP 501 Probability (3)

STP 502 Mathematical Statistics (3)

STP 526 Theory of Statistical Linear Models (3)

The required theory courses are fundamental to the education of statisticians and are necessary for more advanced graduate study. Two courses in applied linear statistical models are also required:

applied analysis of variance and design of experiments (ECN 530, IEE 572 or STP 531) (3)

applied regression analysis (ECN 525, IEE 578 or STP 530) (3)

The program must also include either three credit hours of applied project (ECN 593, IEE 593 or STP 593); six credit hours of thesis (ECN 599, IEE 599 or STP 599); or an oral and written comprehensive exam on advanced statistics course work to be administered by the School of Mathematical and Statistical Sciences. The applied project or thesis must be defended at an oral examination. The content of the applied project report or thesis, in its final form, must be suitable for submission to an academic journal or conference proceedings. The thesis must conform to Graduate Education format requirements.

The remaining credit hours come from elective courses chosen by the student with the approval of supervising faculty. A maximum of six credit hours may be chosen from a related field on which statistics relies (such as computer science) or in which statistics is an essential tool (e.g., biostatistics, quality control). The elective courses allow the student to emphasize a particular area of statistical inference, culminating in an applied project report or a thesis on a topic in that area. No foreign language or written comprehensive examinations are required.

The student has considerable flexibility in selecting an area of specialty.

Admission Requirements:

Applicants must submit:

- the Graduate Education online application
- official transcripts
- a statement of education and career goals
- three letters of recommendation
- general GRE scores

Applicants should have completed the following courses (equivalents at ASU are given in parentheses):

- advanced calculus (MAT 371)
- calculus (MAT 270, MAT 271 and MAT 272)
- computer programming (CSE 100)
- introductory applied statistics (QBA 221 or STP 420)
- linear algebra (MAT 342)

Applicants who lack any of these prerequisite courses must complete the prerequisites before being considered for admission. Although most applicants earn the bachelor's in a quantitative area (such as statistics, quantitative business analysis, mathematics, engineering or computer science), this is not required for admission to the program. The submission of GRE scores is required.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of

School of Mathematical and Statistical Sciences

<http://math.asu.edu/degree-programs/master-science-statistics>

PSA 216

grad.math@asu.edu

480-965-3951

Statistics, PHD (LASTPPHD)

Online Degree Search Title: Statistics (PHD)

Campus: TEMPE

Program Description:

Statistics has been described as the science of learning from data. Statisticians are involved with the collection and subsequent analysis and interpretation of data.

The statistics PhD program includes faculty from departments in the Ira A. Fulton Schools of Engineering, the College of Liberal Arts and Sciences, the W. P. Carey School of Business and the New College of Interdisciplinary Arts and Sciences. The interdisciplinary collaboration provides the opportunity for programs of study to be tailored to reflect individual needs and goals.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

This program includes:

core course work (mathematical statistics, probability, STP 526, STP 527, STP 530 or IEE 578, STP 531 or IEE 572) (15)

elective statistics or related area courses approved by the student's supervisory committee (45)

MAT 792 Research (12)

MAT 799 Dissertation (12)

Students must pass:

- one qualifying examination and course work in analysis*
- a written comprehensive examination
- a dissertation prospectus defense

*See the school website for examination information.

Each student must write a dissertation and defend it orally in front of five dissertation committee members. See the department website for examination information.

Admission Requirements:

Applicants must submit:

- Graduate Education online application
- the general GRE scores
- official transcripts
- a statement of education and career goals
- three letters of recommendation

The minimum requirements for consideration of admission to the PhD program in statistics are:

a bachelor's degree in statistics, mathematics or a closely related area with a 3.00 GPA (4.00 scale)

• completion of the following courses (equivalents at ASU are given in parentheses): calculus (MAT 270, 271 and 272), advanced calculus (MAT 371), linear algebra (MAT 342), computer programming (CSE 100), and introductory applied statistics (QBA 221 or STP 420)

Applicants who lack any of these prerequisite courses must complete the prerequisites before being considered for admission.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of

School of Mathematical and Statistical Sciences

<http://math.asu.edu/>

PSA 216

grad.math@asu.edu

480-965-3951

Statistics (certificate), Certificate (GCSTATCE)

Online Degree Search Title: Statistics (Grad Certificate)

Campus: ONLNE, TEMPE

Program Description:

The School of Mathematical and Statistical Sciences offers a program leading to the certificate in statistics. The program is interdisciplinary in that it draws upon faculty research and teaching interests from various academic units so that programs of study can be tailored to reflect individual needs and goals. The certificate seeks to provide statistical training for graduate students at ASU and professionals in the metro Phoenix area.

Degree Requirements: 15 credit hours.

To qualify for the certificate, students must complete a three-credit course in applied regression analysis (IEE 578, ECN 525, or STP 530) and a three-credit course in analysis of variance or experimental design (IEE 572, ECN 530, or STP 531). The remaining nine credits are taken from the set of courses approved by the School of Mathematical and Statistical Sciences. The certificate program requires no applied project. Students must have a GPA of at least 3.00 in the courses which apply to the certificate.

Admission Requirements:

All applicants to the statistics certificate program must submit the Graduate Education online application.

Applicants must have a bachelor's and should have completed the following courses (equivalents at ASU are given in parentheses):

- introductory applied statistics (ECN 221, STP 226 or STP 420)
- one semester of calculus (MAT 210, MAT 265 or MAT 270)

Applicants are also required to have some computer literacy with knowledge of a programming language, a spreadsheet program or a statistical software program.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Mathematical and Statistical Sciences
<http://math.asu.edu/degree-programs/statistics-certificate>
PSA 216
grad.math@asu.edu
480-965-3951

Teaching English to Speakers of Other Languages, MTESOL (LAENGMTESL)

Online Degree Search Title: Teaching English to Speakers of Other Languages (MTESOL)

Campus: TEMPE

Program Description:

The Department of English at Arizona State University offers a professional program leading to the MTESOL. This well-established, specialized degree program provides students with knowledge and skills necessary to teach English to speakers of other languages in various parts of the world (including the United States). The focus of the program is on theories and methods of language teaching and the aspects of linguistics that teachers need for effective classroom performance. The master's degree in Teaching English to Speakers of Other Languages is intended for those who wish to build a career in the field of English language teaching.

Established in 1969, the MTESOL program has graduated students from various countries and regions in Africa, Asia, Europe, Latin America, Melanesia, the Middle East and throughout the United States. The program features internationally known faculty members whose expertise includes computer assisted language learning, curriculum design, English for academic purposes, English as an international language, English grammar and grammar for TESOL, intercultural rhetoric, interlanguage pragmatics, language testing and assessment, materials development, nonnative English speakers in TESOL, second language acquisition, second language phonology and second language writing. Also, these faculty have extensive practical experience designing and teaching ESOL courses in the US and internationally, including general English courses for students of all ages, academic English courses for university students, settlement English courses for refugees and immigrants, and occupational English courses.

Graduates of the MTESOL program have been successful in finding employment in a variety of TESOL-related positions locally, nationally and internationally. Many also continue on to pursue doctoral degrees at Arizona State University and elsewhere.

Degree Requirements: 30 credit hours including the required capstone course (ENG 597) and a Foreign Language Exam.

Approved graduate course work must include:

LIN 500 Research Methods

LIN 510 Linguistics

LIN 520 Second-Language Acquisition Theories

LIN 521 Methods of Teaching English as a Second Language

ENG 597 Graduate Capstone Seminar

An internship is recommended if a student has no teaching experience.

Foreign Language Requirement: A foreign language is required and must be completed during the program.

Capstone: A three-credit-hour capstone course (ENG 597), which is overseen by a director, chosen from the English department linguistics and TESOL faculty.

Accelerated Degrees:

This degree is also offered as an accelerated degree with English (Linguistics), BA

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Applicants may have undergraduate majors in fields such as, but not limited to:

- anthropology
- applied linguistics
- cognitive science
- communication
- comparative languages and literatures
- education
- English literature
- history
- law

Graduate Education requires a grade point average of "B" (3.00) or better in the last two years of work leading to the bachelor's degree.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

International students must submit a TOEFL score of at least 250 computer-based, 100 Internet-based, an IELTS score of 7.0 or above, or a 68 on the Pearson Test of English Academic (PETA) to be considered for admission. International students should refer to the Department of English webpage for English proficiency requirements. <http://english.clas.asu.edu/gradstudies-international> (<http://english.clas.asu.edu/gradstudies-international>)

Application deadlines are Jan. 15 and April 15 for fall admission and Sept. 15 for spring admission.

The following documents are required:

- official transcripts
- online Graduate Education application
- resume
- statement of purpose
- three letters of recommendation

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of

Department of English

<http://english.clas.asu.edu/gradstudies-mtesol>

LL 543B

enggrad@asu.edu

480-965-3194

Transborder Studies, MAS (LATCLMAS)

Online Degree Search Title: Transborder Studies (MAS)

Campus: ONLINE, TEMPE

Program Description:

The MAS in transborder studies is designed for the postbaccalaureate professional who seeks training in an integrated program that also provides for differentiation via three thematic options. The course of study is designed to provide a cohesive and holistic program of learning that focuses on the complex economic, political, ecological, social and cultural issues of a co-evolving border region of the U.S. Southwest and Mexico. Students

will be required to engage in an intensive internship process in which they will apply their learning. The program will also provide a choice to explore one of the following three areas more deeply:

- Transborder culture, language and learning: focuses on the interrelated processes of cultural emergence, language development and learning as they interact with each other in conjunction with the development of mathematical and scientific reasoning skills, literacy skills and critical thinking in the transborder context.
- Transborder media and expressive culture: provides students with an interdisciplinary understanding of how representation, interpretation and language shape, and are shaped by Chicana/o, Mexican and Latina/o culture in a transborder context.
- Transborder migration, health and applied social policy: provides students with theoretical and applied frameworks for understanding border communities in the areas of migration, health, education, environment and other areas affecting social development.

Degree Requirements: 30 credit hours including the required capstone course (TCL 608), a written comprehensive exam, an oral comprehensive exam and a foreign language exam.

Required Courses:

TCL 502 A Deep History of the United States/Mexico Borderlands II (3)

TCL 503 Epistemologies and Transborder Thought (3)

TCL 504 Tools for Transborder Research (3)

Select one of the following three:

TCL 505 Theories and Methods of Migration, Health and Applied Social Policy (3)

TCL 506 Theory and Methods of Transborder Media and Expressive Culture (3)

TCL 507 Theory and Methods of Transborder Cultural Acquisition, Language Development, and Learning (3)

In Addition:

TCL 601 Internship (3 semesters) (9)

TCL 608 Capstone Course: Transmitting Transborder Studies to Publics and Institutions (3)

TCL 691 Seminar (6)

Admission Requirements: • Applicants must submit an online Graduate Education application.

- A minimum of a bachelor's (or equivalent) or a graduate degree from a regionally accredited college or university is required. The bachelor's must be in the social sciences, humanities, sciences, health, education, business or professional field.
- A minimum of a 3.00 cumulative GPA (4.00=A) is required in the last 60 hours of a student's bachelor's degree program.
- GRE required.
- Test of English as a Foreign Language (TOEFL) required for applicants whose native language is not English, see <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Liberal Arts and Sciences.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of

School of Transborder Studies

<http://sts.asu.edu/>

INTDSB 165

sts.info@asu.edu

480-965-5091

Transportation Systems (certificate), Certificate (GCTRANSCE)

Online Degree Search Title: Transportation Systems (Grad Certificate)

Campus: TEMPE

Program Description:

Transportation has emerged as one of the highest priority issues for policy makers, employers and citizens. The transportation systems certificate program enhances the education of current and future transportation professionals to respond to this challenging environment. It builds upon existing programs in five disciplines, offered in five colleges and two campuses in the ASU system. The program approaches the subject from an integrated systems perspective. It exposes students to a range of transportation alternatives and the interrelationships among transportation, economic development, land use, energy and the environment.

The certificate program offers current ASU graduate students and transportation professionals the opportunity to pursue a wide range of

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transportation-related issues from a multimodal and interdisciplinary perspective. The certificate is intended to be either a specialization within an existing master's degree or as a stand-alone, 15-credit-hour, nondegree program.

Degree Requirements: 15 Credit hours including the required capstone course (PUP 593), or 15 credit hours including the required applied project course (PUP 593).

the applied project course, PUP 593 (3)

a seminar course (3)

three electives from an approved list of transportation-related courses (including at least one from a field outside the student's major)

Students are strongly encouraged to include, as one of the three elective courses, a course in methods or techniques applicable to transportation systems planning. In the applied project course, students are encouraged to work with transportation professionals in their area of interest to identify a project that is of interest to the broader public.

All decisions related to program offerings and departmental participation are made in cooperation with the transportation systems certificate admissions and advisory committee, which includes a member from each participating department.

Admission Requirements:

Admission to the transportation certificate program is the same for both new students and current degree-seeking students.

Applicants must:

- Complete the online Graduate Education application.

Submit responses to two essay questions:

- What do you expect to gain from the transportation certificate?
- What types of courses within the certificate would be the most helpful in meeting your objective?
- Provide a current resume.
- Provide official transcripts.
- Provide official Test of English as a Foreign Language (TOEFL) scores for applicants whose native language is not English. Information regarding English proficiency requirements can be found on the Graduate Education website.

Questions regarding transcript requirements need to be directed to Graduate Education.

Applicants who wish to seek a graduate degree in any of the cooperating departments and who are not currently enrolled in ASU must complete the full graduate school application process as specified by the department of interest, in addition to an online application for the transportation certificate. Please see department guidelines for admission to a degree program. Please be aware that admission to a degree program and the transportation certificate program are independent of each other. Applicants interested in applying for the transportation certificate in addition to a degree program must also complete an admission essay for the certificate program that is independent from an admission essay for a degree program.

Admission to the program will be determined by the transportation systems certificate admissions and advisory committee, consisting of representatives from each of the participating programs.

For US Department of Education Gainful Employment Program Disclosure information, see

<https://catalog.asu.edu/files/disclosures/GCTRANSCE/Gedt.html> (<https://catalog.asu.edu/files/disclosures/GCTRANSCE/Gedt.html>).

Students must fulfill the requirements of both Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of

School of Geographical Sciences and Urban Planning

<http://geoplan.asu.edu>

COOR 5671

geoplan@asu.edu

480-965-7533

Urban and Environmental Planning, MUEP (ARURBMUEP)

Online Degree Search Title: Urban and Environmental Planning (MUEP)

Campus: TEMPE

Program Description:

The MUEP is accredited by the Planning Accreditation Board. It is an interdisciplinary, professional degree designed to prepare students for leadership roles in planning in the public and private sectors. The curriculum includes a common core of required courses which provide linkage between knowledge and practice and fundamental theories and skills.

As active scholars and teachers in an accredited planning program, our faculty have a wide range of interests and expertise, including in the areas of:

- desert cities
- disaster recovery planning
- housing
- infrastructure planning
- international development
- land use and environmental planning
- planning history
- public participation
- regional development

Faculty research and teaching interests especially focus on the following broad interdisciplinary themes:

- Community Development for Social Equity: http://geoplan.asu.edu/muep_communitydevelopment (http://geoplan.asu.edu/muep_communitydevelopment)
- Spatial and Economic Analysis: http://geoplan.asu.edu/muep_spatialeconomic (http://geoplan.asu.edu/muep_spatialeconomic)
- Transportation Planning and Policy: http://geoplan.asu.edu/muep_transportation (http://geoplan.asu.edu/muep_transportation)
- Urban Design and Sustainable Cities: http://geoplan.asu.edu/muep_cities (http://geoplan.asu.edu/muep_cities)

The master's program in urban and environmental planning offers a unique opportunity to integrate urban and environmental aspects of planning in a rapidly developing metropolitan area. Individual practical experience in planning is provided through an optional internship program and applied research. In addition to the planning faculty, the program is enriched by the interdisciplinary participation of faculty from other academic units of the university and leading planning practitioners from the Phoenix area.

Degree Requirements: 47 credit hours and a thesis, or 47 credit hours including the required applied project course (PUP 593), or 47 credit hours including the required capstone course (PUP 580).

The plan for the master's 47 credit hours has the typical distribution as follows:

electives (21)

- required core courses, including either the capstone studio, thesis or professional project (26)

Students must complete the required core courses and select an area of specialization. Students must also select a capstone studio, a professional project or a thesis option. Successful completion of an approved statistics course, if not achieved by the student as an undergraduate, will be required as a deficiency.

Concurrent Degrees:

This degree is also offered as concurrent degree with:

- Public Administration (MPA) - Downtown Phoenix
- Public Policy (MPP)
- Sustainability (MA)
- Sustainability (MS)
- Sustainable Solutions (MSUS)

Accelerated Degrees:

This degree is also offered as an accelerated degree with Urban Planning, BSP

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

To be considered for the master's program in urban and environmental planning, the applicant must submit the Graduate Education online application and fulfill all admission requirements of Graduate Education, in addition to meeting admission requirements of the School of Geographical Sciences and Urban Planning. The following materials are required:

- an application to Graduate Education
- current resume
- GRE scores
- official transcripts from all other colleges and universities attended

statement of intent (maximum 600 words) explaining the applicant's:

- academic and professional background and, if appropriate, preparation for the selected area of specialty (this may include written samples or a

portfolio, but these are not required)

- educational objectives
- interest in planning
- proof of English language proficiency*
- three letters of recommendation from references who are qualified to comment on the applicant's potential in the selected area of study

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency in the form of Test of English as a Foreign Language (TOEFL) scores.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu>
COOR 5671
geoplan@asu.edu
480-965-7533

Urban Planning, PHD (ARPUPPHD)

Online Degree Search Title: Urban Planning (PhD)

Campus: TEMPE

Program Description:

The PhD in urban planning will educate scholars for positions in leading universities, research institutions, nongovernmental organizations, international multilateral institutions, national, state and local governments, and high-level consulting firms. The program will provide a strong foundation for undertaking research in planning, urbanism, urban design and urban sustainability.

While topics and methods will be wide ranging and will include spatial, theoretical and urban design inquiry, the focus of the doctorate will be on the built environment, its problems and potential solutions that improve the quality of life of urban residents.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

required core courses (6)

program electives and research (34)

PUP 701 Urban Planning Colloquium (two semesters, for total of two hours)

PUP 799 Dissertation (12)

Admission Requirements: • Applicants must submit online Graduate Education application.

• Minimum of a master's degree (or equivalent) is required or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as: urban studies, geography, environmental studies, sustainability, architecture, public policy, public administration.

• A Minimum of a 3.00 cumulative GPA (scale is 4.00="A") in the last 60 credit hours of a student's bachelor's degree program is required. A minimum GPA of 3.00 is required in the master's work for acceptance into the PhD program.

• GRE is required.

• Test of English as a Foreign Language (TOEFL) required for applicants whose native language is not English. Please visit <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>) for more information.

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Liberal Arts and Sciences.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/>
COOR 5671
geoplan@asu.edu
480-965-7533

Nursing & Health Innovation, College of

Adv Nursing Practice (Women's Health NP), DNP (NUANPWHDNP)

Online Degree Search Title: Women's Health Nurse Practitioner (DNP)

Campus: DTPHX

Program Description:

This program is designed for nurses seeking to become advanced-practice nurses as women's health nurse practitioners. Providing a foundation for this specialty are graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; advanced health assessment; and advanced practice nursing role. The DNP program is designed to be accessible to students living or working at a distance, with course work delivered in a hybrid online format in which students attend on-campus sessions two to three times each semester.

Women's health care theory and clinical courses include theories, principles and clinical skills in the care of women and their families. Courses focus on critical thinking, diagnosis, problem-solving and nursing management of women throughout the maternity cycle and with common gynecological problems. Client education, communication and collaboration are emphasized.

Degree Requirements: 84 credit hours including the required applied project course (DNP 707).

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a nurse practitioner doctoral program. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- completion of a bachelor's degree in nursing from a nationally recognized, regionally accredited academic institution
- an undergraduate junior and senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained
- a current unencumbered license*
- satisfactory completion of the analytical writing section of the GRE
- three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant
- an interview with a representative of the specialty area
- proof of English proficiency**

*If clinical practice will occur outside of Arizona, the student must have a current unencumbered license in the state where clinical practice will be conducted. If clinical practice will occur within Arizona, the student must have a current unencumbered Arizona license to practice as a registered nurse.

**Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency per the Graduate Education requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

Students are admitted once a year to start in the fall semester.

Students must fulfill the requirements of both Graduate Education and the College of Nursing and Health Innovation.

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<https://nursingandhealth.asu.edu>
NHI2 201F
DNPnursing@asu.edu
602-496-0859

Advanced Nursing Practice, DNP (NUANPDNP)

Online Degree Search Title: Advanced Nursing Practice - DNP

Campus: DTPHX

Program Description:

The DNP in advanced nursing practice program is designed for master's prepared, advanced practice nurses. Courses are designed for clinical experts and are innovative, interesting and organized to provide students with expert colleagues and mentors across the U.S. who can challenge them to take their practice to a new level.

Degree Requirements: 84 credit hours including the required applied project course (DNP 707).

Postmaster's applicants should identify a relevant clinical issue related to advanced practice nursing that they would like to pursue during their doctoral program. Students will complete 540 hours of clinical practice residency and the program courses. Completion of an evidence-based doctoral applied project is required. Each project will be developed individually with each student. Each student will have a primary mentor working with them on the project. Clinical practice residency hours will be used to complete the project in a practice setting; work settings may be included, but specific objectives will be developed individually with each student that may be different from the student's job. Rural health and experiences with disadvantaged and multicultural populations are encouraged and sites are available for these experiences.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- completion of a Master of Science degree in nursing from a nationally recognized, regionally accredited academic institution
- an undergraduate junior and senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained
- a current unencumbered license*
- three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant
- an interview with a representative of the specialty area
- proof of English language proficiency**

*If clinical practice will occur outside of Arizona, the student must have a current unencumbered license in the state where clinical practice will be conducted. If clinical practice will occur within Arizona, the student must have a current unencumbered Arizona license to practice as a registered nurse. All students must have current certification as an advanced practice nurse.

**Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency per Graduate Education requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools (CGFNS).

Students are admitted once a year to start in the fall semester.

Students must fulfill both the requirements of Graduate Education and the College of Nursing and Health Innovation.

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<https://nursingandhealth.asu.edu>
NHI2 201F
DNPnursing@asu.edu
602-496-0859

Advanced Nursing Practice (Adult Nurse Practitioner), DNP (NUANPADDNP)

Online Degree Search Title: Adult Nurse Practitioner (DNP)

Campus: DTPHX

Program Description:

The DNP in advanced nursing practice with a concentration in adult nurse practitioner, is designed for Registered Nurses who seek to become advanced-practice nurses as adult nurse practitioners. Providing a foundation for this specialty are graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; advanced health assessment; and advanced practice nursing role. The program is designed to be accessible to students living or working at a distance, with course work delivered in a hybrid online format in which students attend on-campus sessions two to three times each semester.

Graduates in the adult nurse practitioner concentration are prepared to provide primary care to adults who are in various states of health in a variety of settings. Health promotion and illness prevention are among the essential threads integrated throughout the program of study. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and

multicultural populations are encouraged, and sites are available for these experiences.

Degree Requirements: 84 credit hours including the required applied project course (DNP 707).

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing the DNP. The program includes 1,170 practicum hours, exceeding the ANCC requirement.

Admission Requirements:

Applicants must submit the Graduate Education online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- completion of a bachelor's in nursing from a nationally recognized, regionally accredited academic institution
- an undergraduate junior and senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained
- a current unencumbered license*
- satisfactory completion of the analytical writing section of the GRE
- three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential along with one self-evaluation submitted by the applicant
- an interview with a representative of the specialty area
- proof of English proficiency**

*If clinical practice will occur outside of Arizona, the student must have a current unencumbered license in the state where clinical practice will be conducted. If clinical practice will occur within Arizona, the student must have a current unencumbered Arizona license to practice as a registered nurse. All students must have current certification as an advanced practice nurse.

**Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency per Graduate Education requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools, if considered an international student.

Students must fulfill requirements of both Graduate Education and the College of Nursing and Health Innovation.

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<https://nursingandhealth.asu.edu/>
NHI2 201F
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Advanced Nursing Practice (Adult Psychiatric Mental Health Nurse Practitioner), DNP (NUANPPMDNP)

Online Degree Search Title: Adult Psychiatric Mental Health Nurse Practitioner (DNP)

Campus: DTPHX

Program Description:

This program is designed for nurses seeking to become advanced-practice nurses as adult psychiatric mental health nurse practitioners. Providing a foundation for this specialty are graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; advanced health assessment; and advanced practice nursing role. Graduate education in psychiatric mental health nursing gives opportunities for greater autonomy in practice, diverse employment opportunities, research and teaching capabilities and advanced assessment and intervention skills. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine that the student needs additional faculty supervision of skills, the student will be required to complete their clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

The program is designed to be accessible to students living or working at a distance, with course work delivered in a hybrid online format in which students attend on-campus sessions two to three times each semester.

Degree Requirements: 84 credit hours including the required applied project course (DNP 707).

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a DNP. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

Admission Requirements:

Applicants must submit the Graduate Education online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- completion of a bachelor's in nursing from a nationally recognized, regionally accredited academic institution
- an undergraduate junior and senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained
- a current unencumbered license*
- satisfactory completion of the analytical writing section of the GRE
- three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant
- an interview with a representative of the specialty area

*If clinical practice will occur outside of Arizona, the student must have a current unencumbered license in the state where clinical practice will be conducted. If clinical practice will occur within Arizona, the student must have a current unencumbered Arizona license to practice as a registered nurse. All students must have current certification as an advanced practice nurse.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency per Graduate Education requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools, if considered an international student.

Students must fulfill both the requirements of Graduate Education and the College of Nursing and Health Innovation.

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Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner), DNP (NUANPAGDNP)

Online Degree Search Title: Advanced Nursing Practice (Adult-Gerontology Nurse Practitioner) DNP

Campus: DTPHX

Program Description:

This program is designed for nurses seeking to become advanced practice nurses as nurse practitioners to adult and geriatric patients. Providing a foundation for this specialty are graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; advanced health assessment pharmacology; and advanced practice nursing roles. A major focus of this program is the acquisition of advanced knowledge and skills for primary care, case management, screening and health promotion of adults through the lifespan in a variety of settings, including private practice, ambulatory clinics, acute care, long-term care facilities and the patient's home.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete their clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

Degree Requirements: 84 credit hours including the required applied project course (DNP 707).

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing the DNP. The program includes 1,125 practicum hours, exceeding the ANCC requirement.

Admission Requirements:

Applicants must complete an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation

is based upon meeting the following requirements:

- completion of a bachelor's degree in nursing from a nationally recognized, regionally accredited academic institution
- an undergraduate junior and senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained
- a current unencumbered license*
- satisfactory completion of the analytical writing section of the GRE
- three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential along with one self-evaluation submitted by the applicant
- an interview with a representative of the specialty area
- proof of English language proficiency**

*If clinical practice will occur outside of Arizona, the student must have a current unencumbered license in the state where clinical practice will be conducted. If clinical practice will occur within Arizona, the student must have a current unencumbered Arizona license to practice as a registered nurse. All students must have current certification as an advanced practice nurse.

**Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency per Graduate Education requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

Students are admitted once a year to start in the fall semester.

Students must fulfill both the requirements of Graduate Education and the College of Nursing and Health Innovation.

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Advanced Nursing Practice (Family Nurse Practitioner), DNP (NUANPFNDNP)

Online Degree Search Title: Family Nurse Practitioner (DNP)

Campus: DTPHX

Program Description:

This program is designed for nurses seeking to become advanced-practice nurses as family health nurse practitioners. Providing a foundation for this specialty are graduate courses in application of theory to advanced practice, application of evidence to advanced practice, advanced pathophysiology, advanced health assessment and advanced practice nursing role. The focus in courses is on development of expertise in providing primary care to individuals of all ages within traditional, nontraditional and culturally diverse families. Theory and practicum courses are designed to prepare the student for certification in advanced practice nursing as a family nurse practitioner.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete their clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

Degree Requirements: 84 credit hours including the required applied project course (DNP 707).

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a DNP. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- completion of a bachelor's degree in nursing from a nationally recognized, regionally accredited academic institution
- an undergraduate junior and senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained
- a current unencumbered license*
- satisfactory completion of the analytical writing section of the GRE

- three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant
- an interview with a representative of the specialty area
- international applicants: proof of English proficiency**

*If clinical practice will occur outside of Arizona, the student must have a current unencumbered license in the state where clinical practice will be conducted. If clinical practice will occur within Arizona, the student must have a current unencumbered Arizona license to practice as a registered nurse. All students must have current certification as an advanced practice nurse.

**Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency per Graduate Education requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

Students are admitted once a year to start in the fall semester.

Students must fulfill both the requirements of Graduate Education and those of the College of Nursing and Health Innovation.

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Advanced Nursing Practice (Family Psychiatric and Mental Health Nurse Practitioner), DNP (NUANPCFDNP)

Online Degree Search Title: Family Psychiatric Mental Health Nurse Practitioner (DNP)

Campus: DTPHX

Program Description:

This program is designed for nurses seeking to become family psychiatric mental health nurse practitioners. Providing a foundation for this specialty are graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; advanced health assessment; and advanced practice nursing. The DNP program is designed to be accessible to students living or working at a distance, with course work delivered in a hybrid online format in which students attend on-campus sessions two to three times each semester.

Graduate education in psychiatric mental health nursing gives opportunities for greater autonomy in practice; diverse employment opportunities; research and teaching capabilities; and advanced assessment and intervention skills. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete their clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

Degree Requirements: 84 credit hours including the required applied project course (DNP 707).

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a DNP. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- completion of a bachelor's degree in nursing from a nationally recognized, regionally accredited academic institution
- an undergraduate junior and senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained
- a current unencumbered license*
- satisfactory completion of the analytical writing section of the GRE
- three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant**
- an interview with a representative of the specialty area

proof of English proficiency***

*If clinical practice will occur outside of Arizona, the student must have a current unencumbered license in the state where clinical practice will be conducted. If clinical practice will occur within Arizona, the student must have a current unencumbered Arizona license to practice as a registered nurse. All students must have current certification as an advanced practice nurse.

**Referees will be contacted by Graduate Education, with a request to complete a reference questionnaire.

***Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency per Graduate Education requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

Students are admitted once a year to start in the fall semester.

Students must fulfill both the requirements of Graduate Education and the College of Nursing and Health Innovation.

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Advanced Nursing Practice (Geriatric Nurse Practitioner), DNP (NUGNPDNP)

Online Degree Search Title: Advanced Nursing Practice (Geriatric Nurse Practitioner) (DNP)

Campus: DTPHX

Program Description:

The program is designed for nurses seeking to become advanced-practice nurses as nurse practitioners of geriatric patients. Providing a foundation for this specialty are graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; advanced health assessment; pharmacology; and advanced practice nursing roles. The DNP program is designed to be accessible to students living or working at a distance, with course work delivered in a hybrid online format in which students attend on-campus sessions two to three times each semester.

A major focus of this program is acquisition of advanced knowledge and skills for primary care, case management, screening and health promotion of older adults in a variety of settings, including private practice, ambulatory clinics, acute care, long-term care facilities and the patient's home. Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete their clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

Degree Requirements: 84 credit hours and an applied project.

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 post-baccalaureate practicum hours for all students completing a DNP. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

Admission Requirements:

Applicants must submit the Graduate Education online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- completion of a bachelor's in nursing from a nationally recognized, regionally accredited academic institution
- an undergraduate junior and senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained
- a current unencumbered license*
- satisfactory completion of the analytical writing section of the GRE
- three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant
- an interview with a representative of the specialty area

*If clinical practice will occur outside of Arizona, the student must have a current unencumbered license in the state where clinical practice will be

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conducted. If clinical practice will occur within Arizona, the student must have a current unencumbered Arizona license to practice as a registered nurse. All students must have current certification as an advanced practice nurse.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency per Graduate Education requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools, if considered an international student.

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Advanced Nursing Practice (Innovation Leadership), DNP (NUANPILDNP)

Online Degree Search Title: Advanced Nursing Practice (Innovation Leadership) DNP

Campus: DTPHX

Program Description:

The DNP in advanced nursing practice with a concentration in innovation leadership is directed towards professional nurses seeking the scholarship, skills, and capacity to lead effective change in systems, organizations, and practice environments using innovation theories and methodologies as the frame for their leadership practice. This concentration focuses on improving health care through facilitating a culture of best practice, and providing skills necessary to develop advanced practice nursing leaders for the future. Graduates of this program will be able to facilitate the application and integration of research into clinical practice using innovative approaches across multiple settings to improve health care, patient outcomes and health care systems.

Degree Requirements: 84 credit hours including the required applied project course (DNP 712).

16 core credit hours

16 concentration credit hours

10 credit hours of electives or research courses

12 credit hours of capstone applied project (DNP 712 Clinical Residency and Management)

Admission Requirements:

All applicants must complete the Graduate Education online application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- undergraduate junior and senior GPA = 3.00 (4.00=A) or cumulative GPA = 3.00
- graduate of an accredited BS nursing program or a program similar to ASU's BSN in nursing program
- submission of Graduate Record Exam (GRE) scores for the analytical writing portion only
- letters of recommendation from three faculty or professional persons knowledgeable about the applicant's academic and nursing leadership potential*
- evidence of unencumbered active licensure as Registered Nurse (RN) in the state where clinical practice will be conducted
- an interview with a faculty member in any offered specialty of nursing

proof of English language proficiency**

*Letters are provided electronically via the Graduate Education online application process. Students who graduated with the BSN in nursing within the past three years will need to provide at least one faculty recommendation.

**Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Nursing and Health Innovation.

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Advanced Nursing Practice (Neonatal Nurse Practitioner), DNP (NUANPNDNP)

Online Degree Search Title: Neonatal Nurse Practitioner (DNP)

Campus: DTPHX

Program Description:

This program is designed for nurses seeking to become advanced practical nurses as neonatal nurse practitioners. Providing a foundation for this specialty are graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; and advanced health assessment. Advanced neonatal nursing theory and clinical courses focus on the development of a framework for developmentally supportive, family-centered, culturally appropriate advanced nursing practice with infants, children and families.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete the clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

Degree Requirements: 84 credit hours including the required applied project course (DNP 707).

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a DNP. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- completion of a bachelor's degree in nursing from a nationally recognized, regionally accredited academic institution
- an undergraduate junior and senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained
- a current unencumbered license*
- satisfactory completion of the analytical writing section of the GRE
- three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation completed by the applicant
- an interview with a representative of the specialty area
- proof of English proficiency**

*If clinical practice will occur outside of Arizona, the student must have a current unencumbered license in the state where clinical practice will be conducted. If clinical practice will occur within Arizona, the student must have a current unencumbered Arizona license to practice as a registered nurse. All students must have current certification as an advanced practice nurse.

**Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency per Graduate Education requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

Students are admitted once a year to start in the fall semester.

Students must fulfill both the requirements of Graduate Education and those of the College of Nursing and Health Innovation.

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Advanced Nursing Practice (Pediatric Nurse Practitioner), DNP (NUANPPDNP)

Online Degree Search Title: Pediatric Nurse Practitioner (DNP)

Campus: DTPHX

Program Description:

This program is designed for nurses seeking to become advanced-practice nurses as nurse practitioners of pediatric patients. Providing a

foundation for this specialty are graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; and advanced health assessment. Advanced pediatric nursing theory and clinical courses focus on the development of a framework for developmentally supportive, family-centered, culturally appropriate advanced nursing practice with infants, children and families.

Focused clinical experiences are arranged with appropriate preceptors and administrators. Every attempt will be made to arrange this in the student's geographical area. In the event that clinical sites are unavailable in that area or if the faculty determine the student needs additional faculty supervision of skills, the student will be required to complete their clinical experience in the Phoenix area. Rural health and experiences with disadvantaged and multicultural populations are encouraged, and sites are available for these experiences.

Degree Requirements: 84 credit hours including the required applied project course (DNP 707).

Completion of an evidence-based doctoral applied project focused on a clinical issue relevant to advanced practice nursing is required.

The American Nurses Credentialing Center has recommended a minimum of 1,000 postbaccalaureate practicum hours for all students completing a DNP. This program includes 1,125 practicum hours, exceeding the ANCC requirement.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- completion of a bachelor's degree in nursing from a nationally recognized, regionally accredited academic institution
- an undergraduate junior and senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained
- a current unencumbered license*
- satisfactory completion of the analytical writing section of the GRE
- three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant
- an interview with a representative of the specialty area
- proof of English proficiency**

*If clinical practice will occur outside of Arizona, the student must have a current unencumbered license in the state where clinical practice will be conducted. If clinical practice will occur within Arizona, the student must have a current unencumbered Arizona license to practice as a registered nurse. All students must have current certification as an advanced practice nurse.

**Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency per Graduate Education requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

Students are admitted once a year to start in the fall semester.

Students must fulfill both the requirements of Graduate Education and those of the College of Nursing and Health Innovation.

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Child and Adolescent Mental Health Intervention (certificate), Certificate (NUCAMHICE)

Online Degree Search Title: Child and Adolescent Mental Health Intervention Specialist (Grad Certificate)

Campus: DTPHX

Program Description:

The College of Nursing and Health Innovation at ASU offers the nation's first child and adolescent mental health intervention specialist graduate certificate program. This innovative program is designed specifically for pediatric and family nurse practitioners, physicians and other interdisciplinary health care providers who desire to enhance their knowledge and skills in the assessment and management of common mental and behavioral health problems in children and adolescents. This graduate certificate curriculum is predominantly an online distance education program with two daylong visits to the ASU Downtown Phoenix campus for orientation and intensive learning.

Degree Requirements: 15 credit hours.

Nine credit hours of this program can be transferred into the college's post-master's child and family psychiatric mental health nurse practitioner program for those students desiring more depth in assessing and treating child and adolescent mental health problems as a child and family psychiatric mental health nurse practitioner.

Admission Requirements:

Applicants must submit the Graduate Education online application.

- Applicants must either have an MS in nursing and work as a pediatric and family nurse practitioner or pediatric clinical nurse specialist, or be a health-related professional (e.g., physician, social worker, physician assistant) with experience in child and adolescent behavioral and mental health.
- Current health care licensure in the applicant's state of residence is needed for admission to this certificate program.
- Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Nursing and Health Innovation.

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Clinical Research Management, MS (NUCRMMS)

Online Degree Search Title: Clinical Research Management (MS)

Campus: DTPHX, ONLNE

Program Description:

The MS in clinical research management program prepares students to lead complex global clinical research operations at multiple types of employer settings in the rapidly growing clinical research industry. Graduates of the program will be qualified to fill specialized positions in regulatory affairs and clinical research operations. Potential employers include medical drug, device and product developers, governmental regulatory agencies, health care institutions, organizations conducting clinical research, academic medical institutions, and national and international contract research organizations.

The clinical research management program offers a transdisciplinary approach to education in the fiscal practices of conducting clinical research, the ethical and regulatory aspects of clinical research, and the overall operational management of clinical drug, biological and medical device trials. The program is designed to be flexible, making it convenient for the adult learner.

Degree Requirements: 33 credit hours including the required capstone course (HCR 566).

A three- to six-credit-hour capstone clinical research project is required.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- a bachelor's degree from a nationally recognized, regionally accredited academic institution in one of the following fields: clinical research, health science, nursing, allied health or life science
- or, a bachelor's degree (in any other field) with research or health care experience and completion of all prerequisite courses*
- an undergraduate junior and senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher, for any undergraduate or graduate degree attained
- three online recommendations from individuals knowledgeable about the applicant's academic and leadership potential are required
- proof of English language proficiency**

*The following undergraduate three-credit prerequisite courses, or their equivalent in background or experience, must be completed with a grade of "C" (2.00) or better:

- anatomy and physiology
- medical terminology

**Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Nursing and Health Innovation.

Applications are accepted year-round for enrollment in fall, spring or summer.

Contact Information:

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Clinical Research Management (certificate), Certificate (NUHCRGRCC)

Online Degree Search Title: Clinical Research Management (Grad Certificate)

Campus: ONLNE

Program Description:

The graduate certificate in clinical research management is a fully online program that prepares graduates to lead complex global clinical research operations at multiple types of employer settings in the rapidly growing clinical research industry.

The clinical research management program offers a transdisciplinary approach to education in the fiscal practices of clinical research, the ethical and regulatory aspects of clinical research, and the overall operational management of clinical drug, biological and medical device trials. The program is designed to be flexible and conducive to the adult learner.

Degree Requirements: 15 credit hours including the required capstone course (HCR 564).

15 credit hours, including a required three-credit-hour capstone clinical research project.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- a bachelor's degree from a nationally recognized, regionally accredited academic institution in one of the following fields: clinical research, health science, nursing, allied health, or life science
- or, a bachelor's degree (in any other field) with research or health care experience and completion of all prerequisite courses. The following undergraduate three-credit prerequisite courses, or their equivalent in background or experience, must be completed with a grade of "C" (2.00) or better:
 - anatomy and physiology
 - medical terminology
 - an undergraduate junior and senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any undergraduate or graduate degree attained
 - three online recommendations from individuals knowledgeable about the applicant's academic and leadership potential
 - proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency

Students must fulfill both the requirements of Graduate Education and the College of Nursing and Health Innovation.

Applications are accepted year-round for enrollment in fall, spring, or summer.

Contact Information:

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Clinical Research Management (Regulatory Science), MS (NUCRMRSMS)

Online Degree Search Title: Clinical Research Management (Regulatory Science) (MS)

Campus: ONLINE

Program Description:

The purpose of this concentration is to prepare students for careers in the regulatory aspects of clinical research. The regulatory science concentration uses a multidisciplinary approach and encompasses course work in regulatory writing techniques, quality systems, and medical device or pharmaceutical regulation. The concentration is designed to develop the student's understanding of how to meet regulatory oversight requirements as they relate to the conduct of clinical studies. The concentration offers an alternative course option for students pursuing the clinical research management degree.

Degree Requirements: 33 credit hours including the required capstone course (HCR 566).

Required Core Courses: 12 credit hours

HCR 551 Clinical Research Monitoring (3)

HCR 552 Medical Device Approval and Regulation (3) OR HCR 564 Capstone Clinical Research Management Project (3)

HCR 567 Research Management and Contemporary Research Topics (3)

HCR 574 The Institutional Review Board and Human Research (3)

Required Concentration Courses: 18 credit hours

HCR 552 Medical Device Development & Regulation (3) OR

HCR 555 Pharmaceutical Safety & Risk Management (3) OR

HCR 565 Clinical Research Operations (3)

HCR 553 Quality Assurance and Clinical Research (3)

HCR 558 Technical Writing for the Regulatory Professional (3)

HCR 561 Responsible Conduct of Clinical Research (3)

HCR 562 Clinical Research Data Management and Technology Implementation (3)

HCR 563 Fundamentals of Regulatory Affairs (3)

Electives: None Required.

Culminating Experience: 3 credit hours

HCR 566 Capstone Clinical Research Management Project II (3)

Total required credit hours: 33

Admission Requirements:

Degree(s): This program requires a bachelor degree in clinical research, health science, nursing, allied health or life sciences, or a bachelor degree in any other field and health care related experience or research, and the completion of all prerequisite courses. The following undergraduate three-credit prerequisite courses, or their equivalent in background and experience, must be completed with a grade of "C" or better:

- anatomy and physiology
- medical terminology

GPA: A minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's first bachelor's degree program is required. A minimum of 3.00 cumulative GPA (scale is 4.00 = A) in the applicable master's degree is required.

English Proficiency Requirement for International Applicants: Students whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency. The clinical research management regulatory science concentration adheres to Graduate Education policies requiring minimum acceptable TOEFL scores of 550 (PBT) or 83 (iBT).

Required Admission Examinations: None

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<https://nursingandhealth.asu.edu/programs/nursing/graduate/ms/crm/index.htm>
NHI1 404
ClinicalResearchMgmt@asu.edu
602-496-0684

Community and Public Health Practice (certificate), Certificate (NUCHPGRCH)

Online Degree Search Title: Community and Public Health Practice (Grad Certificate)

Campus: DTPHX

Program Description:

The graduate certificate in community and public health practice is directed toward students with bachelor's degrees who currently work in community or public health or other relevant fields and who want to solve public health problems and apply a breadth of knowledge and expertise in the community.

Degree Requirements: 16 credit hours.

The graduate certificate in community and public health practice includes three credit hours (135 clock hours) of internship.

Admission Requirements:

Applicants must submit an online Graduate Education application.

Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- completion of a bachelor's degree in nursing (or related field) from a nationally recognized, regionally accredited academic institution
- an undergraduate junior and senior GPA equal to 3.00 or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained
- a current unencumbered professional license in the state where the internship will be conducted or an unencumbered Arizona professional practice license (if necessary)
- three online professional recommendations from individuals knowledgeable about the applicant's academic and leadership potential
- an interview with the program faculty
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Nursing and Health Innovation.

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<https://nursingandhealth.asu.edu/>
NHI2 201G
hannah.lee@asu.edu
602-496-0703

Evidence-Based Practice in Nursing and Healthcare (certificate), Certificate (NUEVIDNSCE)

Online Degree Search Title: Evidence-Based Practice in Nursing and Healthcare (certificate)

Campus: DTPHX

Program Description:

The evidence-based practice in nursing and health care graduate certificate program is designed to prepare nurse clinicians, educators and other health care professionals as experts in evidence-based practice. This 18-month program is user friendly and constructed in a distance-learning, online format to facilitate involvement of participants throughout the U.S. and the world. Two on-site visits to ASU are required. The initial visit is an orientation and the final visit is an immersion.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- completion of an accredited master's degree with a 3.00 cumulative GPA (4.00=A) or current enrollment in an accredited master's degree program with a cumulative 3.00 GPA and approval by program director
- submit a letter of support from the applicant's agency
- submit official transcripts from the applicant's academic degree institution(s)

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Nursing and Health Innovation.

Contact Information:

Nursing & Health Innovation, College of

College of Nursing & Health Innovation

<https://nursingandhealth.asu.edu/>

NH12 201G

eula.bradley@asu.edu

602-496-0703

Family Nurse Practitioner (certificate), Certificate (NUFMPGRCE)

Online Degree Search Title: Family Nurse Practitioner (Grad Certificate)

Campus: DTPHX

Program Description:

This program is designed for nurses seeking to become advanced-practice nurses as family nurse practitioners. Providing a foundation for this specialty are graduate courses in application of theory to advanced practice; application of evidence to advanced practice; advanced pathophysiology; and advanced health assessment. The course focus is on development of expertise in providing primary care to individuals of all ages within traditional, nontraditional and culturally diverse families. Focused clinical experiences are arranged with preceptors and administrators in the student's local health care setting. Rural health and experiences with disadvantaged and multicultural populations are encouraged.

Degree Requirements: 22 credit hours.

This graduate certificate program (including 585 clinical hours) prepares nurses with their master's to become family nurse practitioners.

Prerequisites required, or equivalent courses taken in master's program:

DNP 604 and 630 Human Pathophysiology (3) - across the lifespan

DNP 605 and 631 Advanced Health Assessment (3) - across the lifespan

DNP 608 and 632 Pharmacology (3) - across the lifespan

DNP 609 and 610 Advanced Practice Nursing Role (3)

Students will have an individual review of their transcripts and an individualized program of study designed to meet certification requirements. This may add up to one year of additional study to complete this certificate.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- completion of a master's degree in nursing from a nationally recognized, regionally accredited academic institution
- an undergraduate junior and senior GPA equal to 3.00 or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained
- a current unencumbered license*

- satisfactory completion of the analytical writing section of the GRE
- three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant
- an interview with a representative of the specialty area
- international applicants: proof of English language proficiency**

*If clinical practice will occur outside of Arizona, the student must have a current unencumbered license in the state where clinical practice will be conducted. If clinical practice will occur within Arizona, the student must have a current unencumbered Arizona license to practice as a registered nurse. All students must have current certification as an advanced practice nurse.

**Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency per the Graduate Education requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

For U.S. Department of Education Gainful Employment Program Disclosure information, see <https://catalog.asu.edu/files/disclosures/NUFMPGRCE/Gedt.html> (<https://catalog.asu.edu/files/disclosures/NUFMPGRCE/Gedt.html>).

Students must fulfill both the requirements of Graduate Education and those of the College of Nursing and Health Innovation.

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<https://nursingandhealth.asu.edu>
NH12 201F
hannah.lee@asu.edu
602-496-0859

Family Psychiatric and Mental Health Nurse Practitioner (certificate), Certificate (NUPMNUPRCE)

Online Degree Search Title: Family Psychiatric and Mental Health Nurse Practitioner (Grad Certificate)

Campus: DTPHX

Program Description:

This 28-credit postmaster's certificate is designed for advanced practice nurses seeking to become a family psychiatric mental health nurse practitioner. This certificate is delivered using a hybrid format with the majority of course work completed online. In-person attendance is required for several immersion sessions at the ASU Downtown Phoenix campus. Please contact the graduate program office for specific details.

Degree Requirements: 28 credit hours.

This graduate certificate program (including 585 clinical hours) prepares nurses with a master's to become family psychiatric mental health nurse practitioners.

Prerequisites required, or equivalent courses taken in master's program:

DNP 604 and 630 Human Pathophysiology (3) - across the lifespan

DNP 608 Pharmacology (2) - across the lifespan

DNP 605 and 631 Advanced Health Assessment (3) - across the lifespan

DNP 609 and 610 Advanced Practice Nursing Role (3)

Students will have an individual review of their transcripts and an individualized plan of study designed to meet certification requirements.

Depending on how many prerequisite courses are completed in the master's, up to one year of additional study may need to be added to complete this specialty.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- master's degree in nursing from a nationally recognized, regionally accredited academic institution
- official transcripts from all academic institutions
- unencumbered RN license in the state where the student plans to do the clinical practicum experience*
- three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant
- an interview with a representative of the specialty area
- international applicants: proof of English language proficiency**

*Students who live out of state may complete clinical practicums in their own state if suitable practicum sites are available and they agree to contract with the College of Nursing and Health Innovation.

**Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency per the Graduate Education requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

Students must fulfill both the requirements of Graduate Education and those of the College of Nursing and Health Innovation.

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<https://nursingandhealth.asu.edu>
NHI2 201F
DNPnursing@asu.edu
602-496-0859

Geriatric Nursing (certificate), Certificate (NUGNCERT)

Online Degree Search Title: Geriatric Nursing (Grad Certificate)

Campus: DTPHX

Program Description:

This program will prepare practice leaders who are responsive to societal and cultural needs and who are committed to providing and improving evidence-based practice in geriatric nursing. The target groups for this certificate are nurses, nursing faculty and nurse practitioners who want to increase their knowledge related to evidence-based practice geriatric care. Nursing faculty teaching in associate degree programs and baccalaureate programs are particularly targeted so this knowledge area can be added to basic programs of nursing in Arizona.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- completion of a bachelor's degree in nursing from a nationally recognized, regionally accredited academic institution
- an undergraduate junior and senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00 = A) or higher for any baccalaureate or graduate degree attained
- submission of a resume
- submission of a goal statement
- three online recommendations
- an interview with program faculty
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Nursing and Health Innovation.

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<https://nursingandhealth.asu.edu/>
NHI2 201F
hannah.lee@asu.edu
602-496-0859

Healthcare Innovation, MHI (NUHCINNMHI)

Online Degree Search Title: Healthcare Innovation (MHI)

Campus: DTPHX, ONLNE

Program Description:

The MHI is a fully online master's program using a multidisciplinary educational approach to prepare students to lead transformation and innovation in health care. Students come from a variety of backgrounds including nursing, health sciences and health care architecture, as well as from fields as diverse as engineering, business administration and journalism. This program prepares students to lead health care into the future as they focus on real-life outcomes. Graduates of the program will gain leadership skills to influence the future of health care and help transform and improve

health care outcomes for patients and provides.

This unique curriculum uses asynchronous instructional formats, including voice-over lectures, discussion boards and other online learning tools.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- a bachelor's degree from a nationally recognized, regionally accredited academic institution
- an undergraduate junior and senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained
- three professional recommendations from individuals knowledgeable about the applicant's academic and leadership potential
- submission of a personal statement and essays along with a current resume
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Nursing and Health Innovation.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<https://nursingandhealth.asu.edu/>
NHI2 201G
eula.bradley@asu.edu
602-496-0703

International Health for Healthcare Professionals (certificate), Certificate (NUHCRGRCI)

Online Degree Search Title: International Health for Healthcare Professionals (Grad Certificate)

Campus: DTPHX

Program Description:

The international health for health professionals graduate certificate prepares health care personnel to meet the global health challenges of the 21st century. Students receive comprehensive education in the promotion of holistic, culturally responsive evidence-based care within and outside the U.S.

Course content includes the provision of care in the presence and absence of natural (e.g., earthquakes) and human-made disasters (e.g., war), the spread of chronic and infectious diseases, economic and political issues, and other factors that pose substantial challenges to world health promotion and disease prevention.

This graduate certificate is offered as a part- or full-time hybrid online distance program with two daylong visits to ASU Downtown Phoenix campus and a capstone immersion experience.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- undergraduate-prepared nurse or health-related professional (e.g., social worker, physician, psychologist, dentist) with a baccalaureate or graduate degree from a nationally or internationally recognized and regionally accredited academic institution, or equivalent
- an undergraduate junior and senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained
- professional license in the state where the individual capstone project will be conducted, if required (e.g., RN, NP, MSW, PA or MD)
- resume or curriculum vitae
- email addresses of three professional references who will be contacted (do not include friends or relatives) for completion of online recommendations*
- fingerprint clearance or proof of application for U.S. citizens and applicants with permanent U.S. resident status
- photocopy of current, valid passport
- applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency

*Referees will be contacted by Graduate Education, with a request to complete a reference questionnaire.
Academic Catalog Archive 2014-2015 605

Students must fulfill both the requirements of Graduate Education and the College of Nursing and Health Innovation.

Applications are accepted once a year for enrollment in the fall semester.

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<https://nursingandhealth.asu.edu/>
NHI2 201G
carol.baldwin@asu.edu
602-496-0703

Nurse Education in Academic and Practice Settings (certificate), Certificate (NUNURSEDCE)

Online Degree Search Title: Nurse Education in Academic and Practice Settings (Grad Certificate)

Campus: DTPHX

Program Description:

This 15-credit hour graduate certificate in nurse education prepares post-master's Registered Nurses to teach in academic or practice settings. This graduate certificate is delivered using a hybrid format that optimizes in-person and online delivery methods. Courses include: curriculum development, teaching methods, design and delivery of mediated instruction, producing and evaluating educational programs, and a 135-hour teaching practicum.

Degree Requirements: 15 credit hours.

A three-credit hour teaching practicum (comprised of 135 clock hours) is required.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- minimum of a bachelor's degree in nursing (or a health care-related field) from a nationally recognized, regionally accredited academic institution
- an undergraduate junior and senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained
- a current unencumbered license in the state where clinical practice will be conducted or an unencumbered Arizona license to practice as a registered nurse (or health care professional) to enroll in the teaching course
- three online recommendations from individuals knowledgeable about the applicant's academic or leadership potential
- an interview with program faculty
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency per Graduate Education requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools

Students must fulfill both the requirements of Graduate Education and those of the College of Nursing and Health Innovation.

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<https://nursingandhealth.asu.edu/>
NHI2 201G
eula.bradley@asu.edu
602-496-0703

Nursing (Community Health Advanced Practice Nursing), MS (NUCHNDTMS)

Online Degree Search Title: Community Health Nursing (MS)

Campus: DTPHX

Program Description:

The community health nursing graduate program provides theoretical and practical foundations for advanced practice in community and public

health nursing in public or private sector health care settings. Graduate courses in nursing theory, research, epidemiology and biostatistics provide a foundation for practice in community and public health nursing. By combining public and community health theory with nursing theory and research, the community health nurse considers all influences on the population and community in decision-making and outcome evaluation. The major focus in this specialty area is on utilizing public health sciences and skills in the assessment of communities and populations, policy development, program planning, effective communication and the impact of cultural influences on health. The graduate in community and public health is actively engaged in education (e.g., community, staff, students and colleagues), case management, expert clinical practice, consultation, research and administration.

Degree Requirements: 45 credit hours including the required applied project course (NUR 593).

The practicum and internship requirements include 540 clock hours. At the completion of the program, students are eligible to take the American Nurses Credentialing Center exam for national certification as an advanced public health nurse.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- completion of a bachelor's degree in nursing from a nationally recognized, regionally accredited academic institution
- an undergraduate junior and senior GPA equal to 3.00 or a cumulative GPA equal to 3.00 (4.00=A) or higher for any undergraduate or graduate degree attained
- a current unencumbered license in the state where internship or practicum will be conducted or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses
- satisfactory completion of the analytical writing section of the GRE
- three online recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation submitted by the applicant
- an interview with the program faculty
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency per Graduate Education requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

Applications to the program are accepted each year for fall semester enrollment.

Students must fulfill both the requirements of Graduate Education and those of the College of Nursing and Health Innovation.

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<https://nursingandhealth.asu.edu/>
NHI2 201G
hannah.lee@asu.edu
602-496-0703

Nursing (Nursing Education), MS (NUNURSEDMS)

Online Degree Search Title: Nursing Education (MS)

Campus: DTPHX

Program Description:

The MS program is designed to foster scholarship, creativity and innovation that prepares the nurse educator for leadership roles in academic and practice settings. The program offers advanced-level courses that can be used to provide a seamless transition to the PhD or the DNP program, depending on career goals. At the completion of the program, graduates with two years of teaching experience may be eligible to take the National League for Nursing certification examination.

Degree Requirements: 38 credit hours including the required applied project course (NUR 593).

This degree program culminates in an applied project related to learner-centered education. The core of the program consists of 15 hours of courses and a practicum, which focuses on the science and art of nursing education, theory and practice courses related to one of the current clinical specialties.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- completion of a bachelor's degree in nursing at a nationally recognized, regionally accredited academic institution
- an undergraduate junior and senior GPA equal to 3.00 or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained
- current unencumbered license*
- three online recommendations from individuals knowledgeable about the applicant's academic potential and a self-assessment form submitted by the applicant
- an interview with program faculty
- proof of English language proficiency**

*If clinical practice will occur outside of Arizona, the student must have a current unencumbered license in the state where clinical practice will be conducted. If clinical practice will occur within Arizona, the student must have a current unencumbered Arizona license to practice as a registered nurse. All students must have current certification as an advanced practice nurse.

**International applicants: Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency per the Graduate Education requirement and all requirements for the Commission on Graduates of Foreign Nursing Schools.

Students must fulfill both the requirements of Graduate Education and those of the College of Nursing and Health Innovation.

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<https://nursingandhealth.asu.edu/>
NHI2 201G
gponursing@asu.edu
602-496-0703

Nursing and Healthcare Innovation, PHD (NUNHIPHD)

Online Degree Search Title: Nursing and Healthcare Innovation (PHD)

Campus: DTPHX

Program Description:

The PhD in nursing and healthcare innovation is designed for scholars who wish to pursue careers as leaders in health policy, education and research. This degree will also help to address a national need for faculty and researchers who are increasingly in short supply.

This program is offered in traditional onsite delivery format and innovative synchronous online delivery, designed to maintain our commitment to a highly mentored, interactive learning experience. Several different modalities are used to enhance the student's learning, including multimedia presentations, asynchronous discussion boards and live chats.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Up to 30 credit hours from a previously awarded master's may count toward this requirement. Twelve credit hours are required in a substantive area of concentration and may be taken in any semester, based on availability and student interest. Twenty-four credit hours of course work with a research focus are required, including 12 hours of dissertation credit.

Students are required to enroll in a minimum of nine credit hours per semester for years one and two of their program of study. The program of study can be as broad or as narrow as the student and the supervisory program committee deem necessary for the student's career goals. Students may choose from the following five substantive areas of study:

- aging
- education
- children, teens and families
- health care innovation leadership
- world health

The program may incorporate courses from other disciplines to further refine substantive areas of study.

Written and oral comprehensive examinations are required. Students must also complete and successfully defend a written dissertation.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to the doctoral program in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- completion of a bachelor's or master's degree in nursing or a related field from a nationally recognized, regionally accredited academic institution
- a cumulative undergraduate GPA of at least 3.00 or a cumulative graduate GPA of at least 3.50 (4.00=A)
- submission of a current resume, goal statement essay, and a writing sample
- completion of a current inferential statistics prerequisite course by post-master's applicants
- GRE scores are recommended, but not required
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the College of Nursing and Health Innovation.

Students are admitted once a year to start in the fall semester.

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<https://nursingandhealth.asu.edu>
NHI 270
phdnursing@asu.edu
602-496-0930

Regulatory Science and Health Safety, MS (NURSHSMS)

Online Degree Search Title: Regulatory Science and Health Safety (MS)

Campus: DTPHX

Program Description:

The MS in regulatory science and health safety is designed to prepare students for careers in the field of regulatory affairs. The aim of the program is to instruct students about the development and commercialization of medical drugs, devices and other regulated products. The program will focus on safety, as a fundamental aspect of regulatory science, and on leadership development. The program uses a multidisciplinary approach to meet the unique needs of regulating bodies and the regulated industry. It encompasses course work in clinical research, ethics, quality systems, quantitative methods and statistics, leadership and project management in the regulatory field. Students will develop skills that incorporate an evidence-based approach to decision-making, clinical research, regulations and the evaluation of the safety of health products, including drugs, medical devices and nutritional products. They will also develop leadership and project management skills.

Admission Requirements:

Applicants must submit an online Graduate Education application. Admission to graduate status in the College of Nursing and Health Innovation is based upon meeting the following requirements:

- a bachelor's degree from a nationally recognized, regionally accredited academic institution
- an undergraduate junior and senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00 = A) or higher from any undergraduate or graduate degree attained
- three online recommendations from individuals knowledgeable about the applicant's academic and leadership potential
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Applications are accepted once per year for fall semester enrollment.

Students must fulfill both the requirements of Graduate Education and those of the College of Nursing and Health Innovation.

Contact Information:

Nursing & Health Innovation, College of
College of Nursing & Health Innovation
<https://nursingandhealth.asu.edu>
NHI 416
eula.bradley@asu.edu
602-496-1694

Public Programs, College of

Applied Ethics and the Professions (Leadership, Management, and Ethics), MA (LAAEPLMEMA)

Online Degree Search Title: Applied Ethics (Ldrshp, Mgmt, and Ethics) MA

Campus: DTPHX

Program Description:

Students pursuing the MA in applied ethics and the professions concentration (leadership, management and ethics) examine a variety of considerations facing managers and leaders in public, private and nonprofit organizations and consider the question of how ethical judgments might be made in these settings.

Topics covered include, but are not limited to, the following issues:

- How does management or leadership contribute to the organization's overall sense of social responsibility? Is the manager or leader seeking moral objectives or moral ends, the right policies or outcomes?
- Is the manager or leader doing the right things for the right reasons and with the proper attention to matters of character and integrity?
- What is the relationship between managers or leaders and followers, and how, if at all, does the act of leadership itself appreciably alter the values of the group in a positive way?

Completion of this degree concentration prepares the student to act more ethically and responsibly as an individual in their organization and in society, as well as to help those groups develop more ethical cultures.

Degree Requirements: 30 credit hours including the required applied project course (AEP 593).

Graduate course work is distributed as follows:

required core courses (6)

required concentration course (3)

elective concentration courses (15)

required capstone courses (6)

Admission Requirements:

All applicants must submit the Graduate Education online application and meet all Graduate Education admission criteria, including those regarding English proficiency, and submit the following:

- GRE, LSAT or MCAT scores
- official transcripts from all postsecondary institutions attended
- statement of interest in applied ethics and career goals
- three letters of recommendation

Students must fulfill both the requirements of Graduate Education and the College of Public Programs.

Contact Information:

Public Programs, College of

School of Public Affairs

<http://spa.asu.edu/>

UCENT 400

spa@asu.edu

602-496-0450

Assessment of Integrative Health Modalities (certificate), Certificate (PPSWGGRCH)

Online Degree Search Title: Assessment of Integrative Health Modalities (Grad Certificate)

Campus: DTPHX

Program Description:

The School of Social Work graduate certificate in assessment of integrative health modalities will focus on integrative health, the current term used by practitioners in the field who feel strongly that treating the whole person - body, mind and spirit - is the route to the highest quality of health.

The purpose of the certificate is to enhance students' knowledge of integrative health practices. It will provide students with extensive knowledge of integrative health practices through directed readings in evidence-based journal articles, expert lectures from community health professionals and ASU faculty drawn from across disciplines, field observation, an individual research paper and a mindfulness in-class practice and class interaction

that can enhance the quality and effectiveness of treating clients holistically.

Degree Requirements: 15 credit hours.

The certificate will require the completion of credits hours distributed among three required courses, including two approved interdisciplinary electives:

SWG 655 Quality of Life (3)

SWG 656 Treating the Whole Person (3)

SWG 657 Ancient Healing Traditions (3)

In addition, after the completion of three approved courses and prior to completing the last course of the program, students are required to complete a research project highlighting their certificate experience.

Admission Requirements:

Students interested in applying to this program must submit the online Graduate Education application, official transcripts (if not on file with ASU), and the Graduate Education application fee. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

In addition, applicants are required to submit to the School of Social Work:

- a resume
- a one- to two-page statement
- the School of Social Work application to the assessment of integrative health modalities certificate program

No more than two certificate courses may be completed before applying for admission to the certificate program.

This certificate is open to professionals in social work, nursing or related health and human service professions from the community as well as to students currently admitted to a health and human services degree program at the master's or doctoral level. A minimum of a bachelor's in health or human services or related field is required for entry into the certificate program.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Social Work
<http://ssw.asu.edu/>
UCENT 800
social.work@asu.edu
602-496-0800

Community Resources and Development, MS (PPRECDTMS)

Online Degree Search Title: Community Resources and Development (MS)

Campus: DTPHX

Program Description:

The MS in community resources and development is offered by the School of Community Resources and Development. The master's program prepares students to analyze and understand critical topics and issues pertinent to the fields of tourism; parks and recreation management; nonprofits and nongovernmental organizations; and sustainable communities.

Students choose between two academic options: the thesis or the professional option.

Degree Requirements: 30 credit hours and a thesis, or 36 credit hours and a master's research paper.

Completion of the master's in community resources and development requires two years of study, on the average. Students may select a thesis or professional option. The thesis option is a research-oriented degree and is recommended for students planning to continue graduate studies beyond the master's degree. The professional option is intended for students seeking additional knowledge and expertise relevant to professional career development. Advising and direction in both options are under the direct supervision of an assigned faculty member.

Program Requirements: Thesis Option

The thesis option consists of a minimum of 30 credit hours, including six credit hours of thesis, which must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom resides in another department.

CRD 500 Research Methods (3)
CRD 502 Statistical and Data Analysis (3)
CRD 552 Critical Issues in Recreation and Tourism (3)
CRD 555 Theoretical Perspectives in Community Development (3)
advanced inquiry (3)
electives (9)
CRD 599 Thesis (6)

Program Requirements: Professional Option

The professional option consists of 36 credit hours, including six credit hours of practicum. A signed affiliation agreement is required to be on file with the graduate coordinator before registration. The purpose of the 300-hour practicum is to provide graduate students with in-depth, agency-based professional experiences. The student committee consists of two school faculty members and one community or agency professional. At the end of the practicum, the student is required to submit a written description and analysis of the project and to present the results to the committee.

CRD 500 Research Methods (3)
CRD 502 Statistical and Data Analysis (3)
CRD 530 Recreation and Tourism Service Management (3)
CRD 552 Critical Issues in Recreation and Tourism (3)
CRD 555 Theoretical Perspectives in Community Development (3)
CRD 580 Practicum (6)
electives (15)

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Parks and Recreation Management, BS
Tourism Development and Management, BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Students applying to the master's program must have achieved a GPA of 3.00 or the equivalent in the last two years of work leading to the bachelor's degree. Applicants should submit the following items to Graduate Education by March 1 to be considered for fall admission or Oct. 1 for spring admission:

- all undergraduate transcripts
- an online Graduate Education application
- application fee
- statement of professional and academic goals
- GRE scores
- three letters of recommendation
- current resume
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Only complete application files are reviewed or considered for admission. Students without undergraduate academic work in related disciplines are required to take six credit hours of deficiency course work in addition to the master's requirements. Deficiency course work may be taken in conjunction with master's classes.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-0550

Community Resources and Development, PHD (PPCRDPHD)

Online Degree Search Title: Community Resources and Development (PhD)

Campus: DTPHX

Program Description:

The School of Community Resources and Development offers a graduate program leading to the PhD in community resources and development.

The doctoral program in community resources and development is a theoretically grounded, research-intensive degree program designed to prepare graduates for research-oriented careers in higher education, governmental agencies, nonprofit organizations and private-sector businesses. The program is based on the concept of building sustainable and healthy communities as the unifying principle in the established focus areas of:

- community studies
- nonprofit leadership and management
- parks, recreation and leisure
- tourism development and management

The theoretical and methodological approaches embedded in this program serve to integrate scholarship in these areas, in order to gain a more meaningful understanding of, and impact on, community life and dynamics. The program is interdisciplinary in nature. The core faculty engaged in this program is housed in the School of Community Resources and Development at the Downtown Phoenix campus. In addition, the program builds on current collaborations with faculty with related research interests from many ASU departments, schools and centers.

Degree Requirements: 84 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

Up to 30 hours from a previously awarded master's degree can count toward the doctoral requirements.

All students are advised initially by the doctoral program director as a cohort. Students are required to take 24 credit hours of core course work, 15 hours of which are with the cohort during the first year and six hours of which are with the cohort during the second year. Students are assigned an individual advisor or mentor at the end of the first year of study. A supervisory committee is also formed at the end of the first year which reflects the interests of the student and faculty.

Each student develops a plan of study in consultation with the doctoral program coordinator, advisor and supervisory committee. Students complete at least 12 credit hours of elective course work, including courses from contributing disciplines, selected in consultation with their advisor to foster the interdisciplinary nature of the degree program. Students also complete at least six hours of CRD 792 Research and 12 hours of CRD 799 Dissertation. When the majority of course work has been completed and before dissertation research is started, students must complete a written examination followed by an oral examination. These examinations must be completed within five years of admission.

Admission Requirements:

Applicants must submit an online Graduate Education application. Applications are reviewed by the admission committee and recommendations for admission are then made by the graduate program director to the vice provost for Graduate Education. Minimum Graduate Education requirements must be met. Additionally, each applicant must provide:

- a current and professional resume
- a statement of academic and professional goals in sufficient detail to indicate compatibility with the educational objectives and capabilities of the doctoral program
- GRE test scores
- Test of English as a Foreign Language (TOEFL) scores*
- three letters of recommendation**

*International applicants are also required to submit Test of English as a Foreign Language (TOEFL) scores and a financial guarantee statement. An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

**The letters may be a mix of academic and professional references, but each must address the applicant's capacity to successfully complete the doctoral program.

Admission recommendations are made only once a year, with admitted students beginning in the fall semester. To assure consideration for the ensuing fall semester, candidates should submit their application by Feb. 1.

Students applying to the program are expected to have a master's from an accredited institution which included a master's-level research methods and statistics class or classes. If deficiencies exist in community resource and development-related course work at the master's level, appropriate classes are suggested.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
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602-496-0550

Community Resources and Development (Nonprofits & NGOs), MS (PPCRDNPMS)

Online Degree Search Title: Community Resources and Development (Nonprofits and NGOs)

Campus: DTPHX

Program Description:

The MS in community resources and development (nonprofits and NGOs concentration) is offered by the School of Community Resources and Development at ASU's Downtown Phoenix campus. This master's is research-oriented. It is designed to prepare graduates for careers in governmental agencies, nonprofit organizations and private-sector businesses by teaching them to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

Students choose between two academic options: thesis or professional.

Degree Requirements: 30 credit hours and a thesis, or 36 credit hours including the required capstone course (CRD 580).

Completion of the master's in community resources and development requires two years of study, on the average. Students may select a thesis or professional option. The thesis option is a research-oriented degree and is recommended for students planning to continue graduate studies beyond the master's degree. The professional option is intended for students seeking additional knowledge and expertise relevant to professional career development. Advising and direction in both options are under the direct supervision of an assigned faculty member.

Program Requirements: Thesis Option

The thesis option consists of a minimum of 30 credit hours, including six credit hours of thesis, which must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom resides in another department.

CRD 500 Research Methods (3)
CRD 502 Statistical and Data Analysis (3)
CRD 552 Critical Issues in Recreation and Tourism (3)
CRD 555 Theoretical Perspectives in Community Development (3)
CRD 599 Thesis (6)
NLM 510 Foundations of Nonprofit Management (3)
NLM 562 Social Entrepreneurship (3)
advanced inquiry (3)
electives (3)

Program Requirements: Professional Option

The professional option consists of 36 credit hours, including six credit hours of practicum. A signed affiliation agreement is required to be on file with the graduate coordinator before registration. The purpose of the 300-hour practicum is to provide graduate students with in-depth, agency-based professional experiences. The student committee consists of two school faculty members and one community or agency professional. At the end of the practicum, the student is required to submit a written description and analysis of the project and to present the results to the committee.

CRD 500 Research Methods (3)
CRD 502 Statistical and Data Analysis (3)
CRD 530 Recreation and Tourism Service Management (3)
CRD 552 Critical Issues in Recreation and Tourism (3)
CRD 555 Theoretical Perspectives in Community Development (3)
CRD 580 Practicum (6)
NLM 510 Foundations of Nonprofit Management (3)
NLM 562 Social Entrepreneurship (3)
electives (9)

Admission Requirements:

Students applying to the master's program must have achieved a GPA of 3.00 or the equivalent in the last two years of work leading to the bachelor's degree.

Applicants should submit the following items to Graduate Education by March 1 to be considered for fall admission or Oct. 1 for spring admission:

- an online Graduate Education application
- all undergraduate transcripts
- application fee
- statement of professional and academic goals
- GRE scores
- three letters of recommendation
- current resume
- proof of English language proficiency*

*Applicants whose native language is not English (regardless where they may now reside) must provide proof of English proficiency.

Only complete application files are reviewed or considered for admission. Students without undergraduate academic work in related disciplines are required to take six credit hours of deficiency course work in addition to the master's requirements. Deficiency course work may be taken in conjunction with master's classes.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
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scrd@asu.edu
602-496-0550

Community Resources and Development (Parks and Recreation Management), MS (PPCRDPRMS)

Online Degree Search Title: Community Resources and Development (Parks and Recreation Management)

Campus: DTPHX

Program Description:

The MS in community resources and development (parks and recreation management concentration) is offered by the School of Community Resources and Development at ASU's Downtown Phoenix campus. This master's program is research-oriented. It is designed to prepare graduates for careers in governmental agencies, nonprofit organizations and private-sector businesses by teaching them to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

Students choose between two academic options: thesis or professional.

Degree Requirements: 30 credit hours and a thesis, or 36 credit hours including the required capstone course (CRD 580).

Completion of the master's in community resources and development requires two years of study, on the average. Students may select a thesis or professional option. The thesis option is a research-oriented degree and is recommended for students planning to continue graduate studies beyond the master's degree. The professional option is intended for students seeking additional knowledge and expertise relevant to professional career development. Advising and direction in both options are under the direct supervision of an assigned faculty member.

Program Requirements: Thesis Option

The thesis option consists of a minimum of 30 credit hours, including six credit hours of thesis, which must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom resides in another department.

CRD 500 Research Methods (3)

CRD 502 Statistical and Data Analysis (3)

CRD 552 Critical Issues in Recreation and Tourism (3)

CRD 555 Theoretical Perspectives in Community Development (3)

CRD 569 Advanced Tourism Studies (3)

CRD 599 Thesis (6)

TDM 570 Sustainable Tourism (3)

advanced inquiry (3)

electives (3)

Program Requirements: Professional Option

The professional option consists of 36 credit hours, including six credit hours of practicum. A signed affiliation agreement is required to be on file with the graduate coordinator before registration. The purpose of the 300-hour practicum is to provide graduate students with in-depth, agency-based professional experiences. The student committee consists of two school faculty members and one community or agency professional. At the end of the practicum, the student is required to submit a written description and analysis of the project and to present the results to the committee.

CRD 500 Research Methods (3)

CRD 502 Statistical and Data Analysis (3)

CRD 530 Recreation and Tourism Service Management (3)

CRD 552 Critical Issues in Recreation and Tourism (3)

CRD 555 Theoretical Perspectives in Community Development (3)

CRD 569 Advanced Tourism Studies (3)

CRD 580 Practicum (6)

TDM 570 Sustainable Tourism (3)

electives (9)

Admission Requirements:

Students applying to the master's program must have achieved a GPA of 3.00 or the equivalent in the last two years of work leading to the bachelor's degree.

Applicants should submit the following items to Graduate Education by March 1 to be considered for fall admission or Oct. 1 for spring admission:

- an online Graduate Education application
- all undergraduate transcripts
- application fee
- statement of professional and academic goals
- GRE scores
- three letters of recommendation
- current resume
- proof of English language proficiency*

*Applicants whose native language is not English (regardless where they may now reside) must provide proof of English proficiency.

Only complete application files are reviewed or considered for admission. Students without undergraduate academic work in related disciplines are required to take six credit hours of deficiency course work in addition to the master's requirements. Deficiency course work may be taken in conjunction with master's classes.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
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scrd@asu.edu
602-496-0550

Community Resources and Development (Sustainable Communities), MS (PPCRDSCMS)

Online Degree Search Title: Community Resources and Development (Sustainable Communities)

Campus: DTPHX

Program Description:

The MS in community resources and development (sustainable communities concentration) is offered by the School of Community Resources and Development at ASU's Downtown Phoenix campus. This master's program is research-oriented. It is designed to prepare graduates for careers in governmental agencies, nonprofit organizations and private-sector businesses by teaching them to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

Students choose between two academic options: thesis or professional.

Degree Requirements: 30 credit hours and a thesis, or 36 credit hours including the required capstone course (CRD 580).

Completion of the master's in community resources and development requires two years of study, on the average. Students may select a thesis or

professional option. The thesis option is a research-oriented degree and is recommended for students planning to continue graduate studies beyond the master's degree. The professional option is intended for students seeking additional knowledge and expertise relevant to professional career development. Advising and direction in both options are under the direct supervision of an assigned faculty member.

Program Requirements: Thesis Option

The thesis option consists of a minimum of 30 credit hours, including six credit hours of thesis, which must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom resides in another department.

CRD 500 Research Methods (3)

CRD 502 Statistical and Data Analysis (3)

CRD 552 Critical Issues in Recreation and Tourism (3)

CRD 555 Theoretical Perspectives in Community Development (3)

CRD 599 Thesis (6)

CRD 610 Sustainable Communities (3)

electives (3)

advanced inquiry (3)

Select one:

NLM 562 Social Entrepreneurship (3)

NLM 572 Community and Social Innovations (3)

Program Requirements: Professional Option

The professional option consists of 36 credit hours, including six credit hours of practicum. A signed affiliation agreement is required to be on file with the graduate coordinator before registration. The purpose of the 300-hour practicum is to provide graduate students with in-depth, agency-based professional experiences. The student committee consists of two school faculty members and one community or agency professional. At the end of the practicum, the student is required to submit a written description and analysis of the project and to present the results to the committee.

CRD 500 Research Methods (3)

CRD 502 Statistical and Data Analysis (3)

CRD 530 Recreation and Tourism Service Management (3)

CRD 552 Critical Issues in Recreation and Tourism (3)

CRD 555 Theoretical Perspectives in Community Development (3)

CRD 610 Sustainable Communities (3)

electives (9)

select one:

NLM 562 Social Entrepreneurship (3)

NLM 572 Community and Social Innovations (3)

Admission Requirements:

Students applying to the master's program must have achieved a GPA of 3.00 or the equivalent in the last two years of work leading to the bachelor's degree.

Applicants should submit the following items to Graduate Education by March 1 to be considered for fall admission or Oct. 1 for spring admission:

- an online Graduate Education application
- all undergraduate transcripts
- application fee
- statement of professional and academic goals
- GRE scores
- three letters of recommendation
- current resume
- proof of English proficiency*

*Applicants whose native language is not English (regardless where they may now reside) must provide proof of English proficiency.

Only complete application files are reviewed or considered for admission. Students without undergraduate academic work in related disciplines are required to take six credit hours of deficiency course work in addition to the master's requirements. Deficiency course work may be taken in conjunction with master's classes.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
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scrd@asu.edu
602-496-0550

Community Resources and Development (Tourism), MS (PPCRDTMMS)

Online Degree Search Title: Community Resources and Development (Tourism)

Campus: DTPHX

Program Description:

The MS in community resources and development (tourism concentration) is offered by the School of Community Resources and Development at ASU's Downtown Phoenix campus. This master's program is research-oriented. It is designed to prepare graduates for careers in governmental agencies, nonprofit organizations and private-sector businesses by teaching them to analyze and understand critical topics and issues pertinent to the fields of tourism, parks and recreation management, nonprofits and nongovernmental organizations, and sustainable communities.

Students choose between two academic options: thesis or professional.

Degree Requirements: 30 credit hours and a thesis, or 36 credit hours including the required capstone course (CRD 580).

Completion of the master's in community resources and development requires two years of study, on the average. Students may select a thesis or professional option. The thesis option is a research-oriented degree and is recommended for students planning to continue graduate studies beyond the master's degree. The professional option is intended for students seeking additional knowledge and expertise relevant to professional career development. Advising and direction in both options are under the direct supervision of an assigned faculty member.

Program Requirements: Thesis Option

The thesis option consists of a minimum of 30 credit hours, including six credit hours of thesis, which must be defended in an oral examination before a supervisory committee of at least three faculty members, one of whom resides in another department.

CRD 500 Research Methods (3)
CRD 502 Statistical and Data Analysis (3)
CRD 552 Critical Issues in Recreation and Tourism (3)
CRD 555 Theoretical Perspectives in Community Development (3)
CRD 569 Advanced Tourism Studies (3)
CRD 599 Thesis (6)
TDM 570 Sustainable Tourism (3)
advanced inquiry (3)
electives (3)

Program Requirements: Professional Option

The professional option consists of 36 credit hours, including six credit hours of practicum. A signed affiliation agreement is required to be on file with the graduate coordinator before registration. The purpose of the 300-hour practicum is to provide graduate students with in-depth, agency-based professional experiences. The student committee consists of two school faculty members and one community or agency professional. At the end of the practicum, the student is required to submit a written description and analysis of the project and to present the results to the committee.

CRD 500 Research Methods (3)
CRD 502 Statistical and Data Analysis (3)
CRD 530 Recreation and Tourism Service Management (3)
CRD 552 Critical Issues in Recreation and Tourism (3)
CRD 555 Theoretical Perspectives in Community Development (3)
CRD 569 Advanced Tourism Studies (3)
CRD 580 Practicum (6)
TDM 570 Sustainable Tourism (3)
electives (9)

Admission Requirements:

Students applying to the master's program must have achieved a GPA of 3.00 or the equivalent in the last two years of work leading to the bachelor's degree.

Applicants should submit the following items to Graduate Education by March 1 to be considered for fall admission or Oct. 1 for spring admission:

- an online Graduate Education application
- all undergraduate transcripts

- application fee
- statement of professional and academic goals
- GRE scores
- three letters of recommendation
- current resume
- proof of English language proficiency*

*Applicants whose native language is not English (regardless where they may now reside) must provide proof of English proficiency.

Only complete application files are reviewed or considered for admission. Students without undergraduate academic work in related disciplines are required to take six credit hours of deficiency course work in addition to the master's requirements. Deficiency course work may be taken in conjunction with master's classes.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Community Resources and Development
scrd.asu.edu
UCENT 550
scrd@asu.edu
602-496-0550

Corrections Management (Certificate), Certificate (PPCMGGRCT)

Online Degree Search Title: Corrections Management (Grad Certificate)

Campus: ONLNE

Program Description:

The graduate certificate in corrections management will prepare corrections administration professionals and enhance their work by providing course work in criminal justice organizations, corrections and community supervision, institutional management and in cross-disciplines such as public administration. The certificate is designed to give students a solid foundational understanding of correctional administration, leadership and policy analysis.

Degree Requirements: 15 credit hours.

Required Courses: 12 credit hours

CRJ 514 Seminar in Corrections (3)
CRJ 516 Seminar in Criminal Justice Organization & Management (3)
CRJ 528 Prison & Jail Administration OR CRJ 529 Community Corrections (3)
PAF 520 Public Management (3)

Electives: 3 credit hours

CRJ 515 Seminar on Women and Crime (3)
CRJ 517 Seminar on Juvenile Delinquency & Justice (3)
CRJ 518 Seminar on Race/Ethnicity, Crime & Justice (3)
CRJ 519 Seminar on Victimization (3)
CRJ 520 Seminar on Violent Crime (3)
CRJ 521 Seminar on Nature of Crime (3)
CRJ 522 Seminar on Gangs and Crime (3)
CRJ 524 Seminar on Punishment & Society (3)
CRJ 525 Seminar on Life Course Criminology (3)
CRJ 598 ST: Crime Mapping (3)
CRJ 598 ST: Criminal Justice Ethics (3)
CRJ 598 ST: Death Penalty (3)
CRJ 598 ST: Ecology of Crime (3)
CRJ 598 ST: Forensics (3)

CRJ 598 ST: Politics of Criminal Justice Policymaking (3)

CRJ 598 ST: Sex Offenders and Sex Crimes (3)

Culminating Experience: None Required.

Total required credit hours: 15

Admission Requirements:

Applicants to the certificate program will be accepted year-round. Students may be granted admission for fall, spring and summer semesters. Potential applicants must meet all Graduate Education admissions requirements and submit all materials online through the graduate application.

Degree(s): Potential applicants who hold a bachelor's degree from a regionally accredited institution are eligible to apply to the program. Students from related fields, such as public policy, political science, psychology, sociology, as well as other social science degrees, might be interested in this program in particular. However, all eligible students will be considered. Although the target students would most likely come from the aforementioned degree fields, there is no specific undergraduate degree major required for admission; the school will accept applicants with undergraduate degrees from all educational backgrounds.

GPA: Regular admission may be granted to applicants who have achieved a GPA of 3.00 or better (on a 4.00 scale) in the last two years of course work leading to a bachelor's degree.

For nondegree seeking students (those not admitted to a graduate degree program at ASU): Applicants will be required to submit:

- an official ASU graduate online application
- official transcripts of undergraduate and graduate (if applicable) course work
- a written statement of career and educational goals

For graduate-degree seeking students (those admitted to a graduate program at ASU): Applicants will be required to submit:

- an official ASU graduate online application
- a written statement of career and educational goals

Required Admission Examinations: None required.

Students must fulfill the requirements of the College of Public Programs as well as those of Graduate Education.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Public Programs, College of
School of Criminology and Criminal Justice
<http://ccj.asu.edu>
UCENT 600
sccj_grad@asu.edu
602-496-2365

Online Degree Search Title: Criminal Justice (MA)

Campus: ONLINE

Program Description:

The MA in criminal justice is designed to provide criminal justice agency professionals with course work in criminology and the operation of the criminal justice system and training in research methods and statistics. The degree program also provides students with advanced training in program planning and management, policy analysis and program evaluation.

Degree Requirements: 33 credit hours including the required capstone course (CRJ 505).

The program includes 12 credit hours of required core courses, 18 credit hours of electives and a three-credit-hour capstone project. Students can develop specializations in areas such as policing, corrections and management by combining required and elective course work.

Core Courses:

CRJ 501 Seminar in Criminal Justice (3)

CRJ 502 Seminar in Criminology (3)

CRJ 510 Criminal Justice Planning and Program Evaluation (3)

CRJ 511 Applied Data Analysis in Criminal Justice (3)

Electives (18)

Students select a minimum of 18 hours of 500-level elective course work:

CRJ 512 Seminar on Policing (3)

CRJ 513 Seminar on Courts and Sentencing (3)

CRJ 514 Seminar in Corrections (3)

CRJ 515 Seminar on Women and Crime (3)

CRJ 516 Seminar in Criminal Justice Organization and Management (3)

CRJ 517 Seminar on Juvenile Delinquency and Juvenile Justice (3)

CRJ 518 Seminar on Race/Ethnicity, Crime and Justice (3)

CRJ 519 Seminar on Victimization (3)

CRJ 520 Seminar on Violent Crime and Criminal Behavior (3)

CRJ 521 Seminar on the Nature of Crime (3)

CRJ 522 Seminar on Gangs and Crime (3)

CRJ 524 Seminar on Punishment and Society (3)

CRJ 525 Seminar on Life-Course Criminology (3)

CRJ 584 Internship (3)

CRJ 598 Special Topics on Crime and Criminal Justice (3)

Capstone Course:

CRJ 505 Theory and Practice in Criminal Justice (3)

Accelerated Degrees:

This degree is also offered as an accelerated degree with Criminal Justice and Criminology, BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Students must submit an online Graduate Education application for admission, an official transcript from every university or institution attended and the application fee to Graduate Education.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Please see the Graduate Education admission website for specific application deadlines. <https://students.asu.edu/apply>
(<https://students.asu.edu/apply>)

In addition to the application material required by Graduate Education, applicants must submit:

- two letters of recommendation
- a personal statement that addresses the applicant's prior education and professional experience, discusses the applicant's career goals, and explains how the degree will help the applicant achieve those goals
- a resume

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here. (<http://asuonline.asu.edu/degree-programs/graduate/master-arts-criminal-justice>)

Contact Information:

Public Programs, College of
School of Criminology and Criminal Justice
<http://ccj.asu.edu/degree-programs>
UCENT 600
Shannon.Stewart@asu.edu
602-496-2365

Criminology and Criminal Justice, MS (PPCRJMS)

Online Degree Search Title: Criminology and Criminal Justice (MS)

Campus: DTPHX

Program Description:

The MS in criminology and criminal justice is a research degree designed to provide students with a high level of theoretical and empirical knowledge about crime and criminal justice. The program also is designed to provide students with the advanced research skills needed for careers as criminal justice researchers and continued study in doctoral programs in criminology or criminal justice. The degree consists of 24 credit hours of course work and a six-hour thesis.

Degree Requirements: 30 credit hours and a thesis.

Required hours for this program includes 24 credit hours of course work and six credit hours of thesis. There are five required courses. Each student will write a thesis that reflects original research and scholarship, makes a contribution to knowledge in the field and demonstrates the ability to design and carry out an independent research project.

Core Courses:

CRJ 501 Seminar in Criminal Justice (3)
CRJ 502 Seminar in Criminology (3)
CRJ 503 Research Methods for Criminal Justice (3)
CRJ 504 Statistical Tools for Criminal Justice (3)
CRJ 604 Advanced Statistical Analysis (3)

Electives:

Choose three, in consultation with the supervisory committee, for a minimum of nine hours of elective course work. Students may take either 500-level or, with the permission of the instructor, 600-level courses.

CRJ 510 Criminal Justice Planning and Program Evaluation (3)
CRJ 511 Applied Data Analysis in Criminal Justice (3)
CRJ 512 Seminar on Policing (3)
CRJ 513 Seminar on Courts and Sentencing (3)
CRJ 514 Seminar in Corrections (3)
CRJ 515 Seminar on Women and Crime (3)
CRJ 516 Seminar in Criminal Justice Organization and Management (3)
CRJ 517 Seminar on Juvenile Delinquency and Juvenile Justice (3)
CRJ 518 Seminar on Race/Ethnicity, Crime and Justice (3)
CRJ 519 Seminar on Victimization (3)
CRJ 520 Seminar on Violent Crime and Criminal Behavior (3)
CRJ 521 Seminar on the Nature of Crime (3)
CRJ 522 Seminar on Gangs and Crime (3)
CRJ 524 Seminar on Punishment and Society (3)
CRJ 525 Seminar on Life-Course Criminology (3)
CRJ 584 Internship (3)
CRJ 590 Reading and Conference* (3)
CRJ 592 Research (3)
CRJ 598 Special Topics on Crime and Criminal Justice (3)
CRJ 601 Seminar on Criminological Theory (3)
CRJ 602 Seminar on Criminal Justice Policies and Practices (3)
CRJ 603 Advanced Research Design (3)
CRJ 605 Special Topics in Quantitative Methods (3)

CRJ 606 Advanced Topics in Theoretical Criminology (3)
CRJ 607 Advanced Topics in Policing (3)
CRJ 608 Advanced Topics in Courts and Sentencing (3)
CRJ 609 Advanced Topics in Corrections (3)
CRJ 610 Advanced Topics in Juvenile Justice (3)
CRJ 611 Advanced Topics in Crime and Victimization (3)
CRJ 612 Advanced Topics in Race, Gender, Class, and Justice (3)
CRJ 613 Qualitative Methods (3)

*A maximum of 3 hours of CRJ 590 may be included on the program of study.

Thesis (6)

Concurrent Degrees:

This degree is also offered as concurrent degree with:

Public Administration (MPA) - Downtown Phoenix

Public Policy (MPP)

Accelerated Degrees:

This degree is also offered as an accelerated degree with Criminal Justice and Criminology, BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

Students must submit an online Graduate Education application for admission, an official transcript from every university or institution attended, GRE scores and the application fee to Graduate Education.

The application deadline is Feb. 1 for fall semester.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

In addition to the application material required by Graduate Education, applicants must submit two letters of recommendation and a personal statement that addresses the applicant's prior education and professional experience, discusses the applicant's career goals and explains how the degree will help the applicant achieve these goals.

Personal statement and letters of recommendation should be submitted online.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of

School of Criminology and Criminal Justice

<http://ccj.asu.edu/>

UCENT 600

shannon.stewart@asu.edu

602-496-2365

Criminology and Criminal Justice, PHD (PPCRJPHD)

Online Degree Search Title: Criminology and Criminal Justice (PhD)

Campus: DTPHX

Program Description:

The School of Criminology and Criminal Justice at Arizona State University offers a program of course work and research leading to the PhD in criminology and criminal justice. This program emphasizes criminal justice theory, research and policy. The program is designed to produce highly skilled criminology and criminal justice faculty and agency researchers and administrators.

The doctoral program is organized around five components:

- a comprehensive examination
- a core of required courses in theory and research on crime and the criminal justice system
- a core of required courses on research methods and analytical techniques
- a dissertation
- elective courses in criminology, criminal justice and related fields

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The doctoral program in criminology and criminal justice includes a minimum of 72 credit hours of course work and 12 credit hours (and only 12) of dissertation. A maximum of 30 credit hours of course work from a previously awarded master's or JD may, with the approval of the supervisory committee, be applied toward the doctoral plan of study.

Each student is required to complete course work in two core areas. This includes six credit hours of course work in theory and research on crime and the criminal justice system and nine credit hours of course work on research methods and analytical techniques. Elective courses comprise the remainder of the course work required for the doctorate. All students must demonstrate proficiency in research design and quantitative and qualitative methods.

Credit hours for course work from master's or JD (30)

Core courses:

CRJ 601 Seminar on Criminological Theory (3)

CRJ 602 Seminar on Criminal Justice Policies and Practices (3)

CRJ 603 Advanced Research Design (3)

CRJ 604 Advanced Statistical Analysis (3)

CRJ 605 Special Problems in Quantitative Methods (3)

Electives: Choose a minimum of nine courses in consultation with the supervisory committee (27)

Dissertation (12)

Admission Requirements:

Students must submit an online Graduate Education application for admission, an official transcript from every university or institution from which a degree was awarded, GRE scores and the application fee to Graduate Education.

The application deadline is Jan. 15 for fall semester. Students are not admitted during the spring semester.

In addition to these basic requirements established by Graduate Education, the School of Criminology and Criminal Justice requires the following:

- An applicant must hold a master's degree from an accredited institution. The master's may be a degree in criminal justice, criminology or another field (e.g., sociology, political science, history, social work, public administration, psychology or philosophy).
- An applicant must submit two letters of reference from faculty members or others qualified to evaluate the applicant's academic potential for doctoral study.
- The applicant must submit their resume.
- An applicant must submit a personal statement, not exceeding five pages, that describes the applicant's prior education, relevant professional experience, and career goals. The statement must explain how the doctorate in criminology and criminal justice will help the applicant attain the his or her career goals. The statement should explicitly explain how the student's plans are consistent with the role and mission of the School of Criminology and Criminal Justice at ASU.
- International students seeking admission to the program must meet ASU graduate faculty requirements governing the admission of international students, which can be found at (<http://graduate.asu.edu/international>)<http://graduate.asu.edu/international> (<http://graduate.asu.edu/international>).
- A sample of the applicant's written work should be submitted electronically. The writing sample may be an article (published or unpublished), a research paper, or any other extended sample of expository skill, and the sample must be no longer than 35 pages in length. Longer writing samples should not be submitted without first consulting the Graduate Director. Documents should not be password protected. Acceptable file types are .rtf, .pdf, and .doc.

Personal statement and letters of recommendation should be submitted online.

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of

School of Criminology and Criminal Justice

<http://ccj.asu.edu/>

UCENT 600

shannon.stewart@asu.edu

602-496-2365

Emergency Management and Homeland Security, MA (PPEMHSMA)

Online Degree Search Title: Emergency Management and Homeland Security (MA)

Campus: DTPHX, ONLNE

Program Description:

This degree program provides students with skills and knowledge to manage and assume positions of leadership within the field of emergency management and homeland security. Concepts of public policy and management, science, technology, and criminal justice are blended together to enhance and foster critical thinking within the general field of study. Based upon integrative science, this degree transcends the confining boundaries of traditional programs and emphasizes the systems approach. More specifically, an all hazards and all-threats orientation provides the student with a generalist perspective which is critically important for today's and tomorrow's disaster managers.

Degree Requirements: 30 credit hours including an applied project course (CRJ 593 or PAF 593).

Required Core Courses: 21 hours

PAF 520 OR PAF 503 Public Management OR Public Affairs 3

PAF 560 Community Resilience and Recovery 3

PAF 552 Integrated Emergency Management 3

PAF 554 Homeland Security 3

PAF 555 Information Technology in Emergency Management 3

PAF 561 Interoperability for Emergency Managers 3

SWG 579 Critical Incident Stress Management 3

Elective or Research Courses: 6 hours

Required Research Course:

CRJ 511 Applied Data Analysis in Criminal Justice 3

Electives (choose one):

PAF 506 Public Budgeting and Finance 3

PAF 507 Public Human Resource Management 3

PAF 553 Terrorism and Weapons of Mass Destruction 3

CRJ 512 Seminar on Policing 3

CRJ 514 Seminar on Corrections 3

CRJ 516 Seminar in Criminal Justice Organization and Management 3

CRJ 520 Seminar on Violent Crime 3

CRJ 521 Seminar on the Nature of Crime 3

CRJ 522 Seminar on Gangs and Crime 3

CRJ 412 International Terrorism 3

CRJ 419 Domestic Terrorism 3

CRJ 598 Police and International Terrorism (Israel study abroad program) 3

NLM 545 Volunteer Resource Management 3

Culminating Experience: 3 hours

PAF 593 Applied Project OR CRJ 593 Applied Project 3

Total required credit hours: 30

Admission Requirements:

Degree(s): Minimum of a Bachelor's degree in Criminology, Public Administration, Psychology, Sociology, Applied Sciences, or other related field.
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GPA: Minimum of a 3.00 cumulative GPA (scale is 4.0=A) in the last 60 hours of a student's first bachelor's degree program.

English Proficiency Requirement for International Applicants: The English proficiency requirements are the same as the Graduate Education requirement.

Foreign Language Exam: Not required

Required Admission Examinations: None

Letters of Recommendation: Two

Other: Three years of experience in an emergency management or homeland security related field OR two years of experience in an emergency management or homeland security related field and an emergency management or homeland security related bachelor degree such as Emergency Management, Homeland Security, Public Safety, Military Science, Criminology, Public Administration, Applied Science.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Public Programs, College of

College of Public Programs

<http://spa.asu.edu/>

UCENT 400

spa@asu.edu

602-496-0450

Latino Cultural Competency in Social Work (certificate), Certificate (PPSWGGRCL)

Online Degree Search Title: Latino Cultural Competency in Social Work (Grad Certificate)

Campus: DTPHX

Program Description:

In response to the need, ASU through the College of Public Programs, School of Social Work, offers a graduate certificate in Latino cultural competency. The School of Social Work offers Latino-oriented courses with an emphasis on Spanish language development for professional social workers.

The goal of the program is to enhance a social worker professional's capacity for engaging in culturally grounded practice with Latino clients and their families.

The program is intended for the professional who wants to:

- expand their employment potential by adding an expertise in professional services with Latinos
- learn the critical cross-cultural factors that influence a worker's competency in forming professional helping relationships with Latinos
- learn the social and cultural context and theoretical principles of social work practice with Latinos
- learn the social service delivery issues involved in providing services for bilingual and limited- or non-English-speaking Latino populations

Degree Requirements: 15 credit hours.

The following is required for students enrolled in the Master of Social Work program:

- completion of 480 hours of field practicum with Latino clients and communities (60 percent of case load to be Spanish-speaking)
- field practice consisting of six credit hours of field practicum

six credit hours of Latino-oriented course work*

- SWG 533 Diversity and Oppression in a Social Work Context (3)

*At least three hours are required to be taken from within the School of Social Work.

Requirements for those already working in the field of social work as a community professional social worker and community worker:

- six credit hours of independent study field practice consisting of the completion of 480 hours with Latino clients and communities (60 percent of client caseload to be Spanish-speaking)*
- six credit hours of Latino-oriented course work**
- SWG 533 Diversity and Oppression in a Social Work Context (3)***

*Students may petition to use their place of employment.

**At least three hours are required to be taken from within the School of Social Work.

***Note: Students with an MSW or BSW who have completed this course in the past five years may substitute another Latino-oriented course.

Admission Requirements:

All students interested in applying to this program must submit:

- the online Graduate Education application
- transcripts (if not on file with ASU)
- the Graduate Education application fee
- proof of English proficiency*
- the School of Social Work the Latino Cultural Competency Application form and the required \$50 application fee

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

No more than two certificate courses may be completed before applying for admission to the certificate program.

Social Work graduate student admission requirements:

- graduate status in the College of Public Programs' School of Social Work
- demonstrated proficiency in Spanish language

Community professional social worker admission requirements:

- possess an MSW, BSW or related master's degree
- demonstrated proficiency in Spanish language

Community worker admission requirements:

- the equivalency of a two-year work experience in the social service field
- an undergraduate degree
- demonstrated proficiency in Spanish language

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Social Work
<http://ssw.asu.edu/>
UCENT 800
social.work@asu.edu
602-496-0800

Law Enforcement Administration (Certificate), Certificate (PPLEAGRCT)

Online Degree Search Title: Law Enforcement Administration (Grad Certificate)

Campus: ONLNE

Program Description:

The graduate certificate in law enforcement administration will prepare and enhance the work of law enforcement professionals by providing course work in criminal justice organizations, policing and program analysis and in cross-disciplines such as public administration. The certificate is designed to give students a solid foundational understanding of law enforcement agency administration, leadership and policy analysis.

Degree Requirements: 15 credit hours.

Required Courses (12 credit hours):

CRJ 512 Seminar in Policing (3)
CRJ 516 Seminar in Criminal Justice Organization & Management (3)
CRJ 527 Police Accountability (3)
PAF 520 Public Management (3)

Electives (3 credit hours):

CRJ 515 Seminar on Women and Crime (3)
CRJ 517 Seminar on Juvenile Delinquency & Justice (3)
CRJ 518 Seminar on Race/Ethnicity, Crime & Justice (3)
CRJ 519 Seminar on Victimization (3)
CRJ 520 Seminar on Violent Crime (3)
CRJ 521 Seminar on Nature of Crime (3)
CRJ 522 Seminar on Gangs and Crime (3)
CRJ 524 Seminar on Punishment & Society (3)
CRJ 525 Seminar on Life Course Criminology (3)
CRJ 598 ST: Crime Mapping (3)
CRJ 598 ST: Criminal Justice Ethics (3)
CRJ 598 ST: Death Penalty (3)
CRJ 598 ST: Ecology of Crime (3)
CRJ 598 ST: Forensics (3)
CRJ 598 ST: Politics of Criminal Justice Policymaking (3)
CRJ 598 ST: Sex Offenders and Sex Crimes (3)

Culminating Experience: None Required.

Total required credit hours: 15

Admission Requirements:

Applicants to the certificate program will be accepted year-round. Students may be granted admission for fall, spring and summer semesters. Potential applicants must meet all Graduate Education admissions requirements and submit all materials online through the graduate application.

Degree(s): Potential applicants who hold a bachelor's degree from a regionally accredited institution are eligible to apply to the program. Students from related fields, such as public policy, political science, psychology, sociology, as well as other social science degrees, might be interested in this program in particular. However, all eligible students will be considered. Although the target students would most likely come from the aforementioned degree fields, there is no specific undergraduate degree major required for admission; the school will accept applicants with undergraduate degrees from all educational backgrounds.

GPA: Regular admission may be granted to applicants who have achieved a GPA of 3.00 or better (on a 4.00 scale) in the last two years of course work leading to a bachelor's degree.

Admission requirements:

For nondegree seeking students (those not admitted to a graduate degree program at ASU): Applicants will be required to submit:

- an official ASU graduate online application
- official transcripts of undergraduate and graduate (if applicable) course work
- a written statement of career and educational goals

For graduate-degree seeking students (those admitted to a graduate program at ASU): Applicants will be required to submit:
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- an official ASU graduate online application
- a written statement of career and educational goals

Required Admission Examinations: None required

Students should fulfill both the requirements of the College of Public Programs and those of Graduate Education.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Public Programs, College of
School of Criminology and Criminal Justice
<http://ccj.asu.edu>
UCENT 600
sccj_grad@asu.edu
602-496-2365

Nonprofit Leadership and Management (certificate), Certificate (PPNONPROCE)

Online Degree Search Title: Nonprofit Leadership and Management (Grad Certificate)

Campus: DTPHX

Program Description:

The graduate certificate in nonprofit leadership and management, offered through the College of Public Programs, is a program that provides students with an understanding of the nonprofit sector's role in society and with knowledge applicable to those who wish to lead and manage these organizations. The objective of this program is to provide students from diverse academic backgrounds with exposure to content needed by leaders in the nonprofit sector, including the understanding of the historical and philosophical context for nonprofit organizations in society, the theory and practice of philanthropy, financial management practices and other topical content areas. The certificate is ideal when combined with graduate degrees in other areas and when used to provide a core concentration in nonprofit leadership and management.

Degree Requirements: 15 credit hours.

Required courses (9):

NLM 510 The Nonprofit Sector (3)

NLM 520 Financial and Resource Management (3)choose one:

NLM 540 Strategic Human Resources Management (3)

NLM 545 Volunteer Resource Management (3)Elective courses (6)

Admission Requirements:

All applicants must submit the Graduate Education online application. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

The program is available to students who are pursuing their graduate degree in a chosen field of study and who have expressed interest in pursuing careers in the nonprofit sector. In addition, the program is well suited for working professionals, who may be pursuing a graduate degree, but who wish to strengthen their skills and connections to the nonprofit community.

For more information, see the College of Public Programs website.

Students must fulfill both the requirements of Graduation Education and those of the College of Public Programs.

For U.S. Department of Education Gainful Employment Program Disclosure information, see

<https://catalog.asu.edu/files/disclosures/PPNONPROCE/Gedt.html> (<https://catalog.asu.edu/files/disclosures/PPNONPROCE/Gedt.html>).

Contact Information:

Public Programs, College of
School of Community Resources and Development
<https://lodestar.asu.edu/>

Nonprofit Studies, MNPS (PPNPSMNS)

Online Degree Search Title: Nonprofit Studies (MNpS)

Campus: DTPHX

Program Description:

Offered through the School of Community Resources and Development, the MNpS program is intended for professionals who work in or desire to work in the nonprofit sector at senior leadership and management levels. The program provides an opportunity to obtain an advanced degree that addresses the unique challenges and opportunities of nonprofit, nongovernmental organizations with attention on those who lead, manage and support nonprofits. Students explore research, theory and innovative nonprofit practice that advances individual and societal goals for social, cultural, environmental, educational and economic development. The program considers the nexus among nonprofit management, social enterprise and entrepreneurship, and philanthropy that are evinced through nonprofit organizational forms.

Degree Requirements: 33 credit hours including the required capstone course (NLM 620).

Students are required to take 18 credit hours of core course work, in which three hours are a capstone course that is completed at the end of the program of study. The capstone course is integrative and case-based, allowing students to synthesize material from prior course work. Successful completion of this course is required in place of a thesis or applied project.

Students complete 15 credit hours of related elective course work. Courses are selected from two contributing disciplines (public affairs and social work) to foster the interdisciplinary nature of the degree. Students may include two three-credit hour courses not listed below as approved electives in their program of study as long as the student can establish an intellectual and professional development objective that substantiates the course selection.

NLM 510 The Nonprofit Sector (3)

NLM 520 Financial Management in Nonprofit (3)

NLM 530 Program Evaluation and Information Management (3)

NLM 550 Philanthropy: Theory and Practice (3)

NLM 620 Capstone: Critical Issues in Nonprofit Management (3)

Choose one:

NLM 540 Strategic Human Resources Management (3)

NLM 545 Volunteer Resource Management (3)

Electives (15)

Admission Requirements:

Potential applicants who hold a bachelor's degree from a regionally-accredited institution are eligible to apply. Applications are accepted year-round and students are granted admission for fall, spring or summer semesters. Students must submit the following to apply for the MNpS:

- a completed online application through ASU Graduate Education
- a curriculum vitae or resume
- statement of educational and career goals in sufficient detail to indicate compatibility with the educational objectives and capabilities of the school
- three reference letters
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Applicants whose junior and senior GPA is 3.00 or higher are eligible to apply for admission to the program. Certificate students who are interested in applying for the master's program must apply to the degree program before the completion of nine credit hours in their certificate program.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<https://lodestar.asu.edu/>
UCENT 500

Participatory Governance (certificate), Certificate (PPPGOGRCT)

Online Degree Search Title: Participatory Governance (certificate)

Campus: DTPHX, TEMPE

Program Description:

This certificate provides students with the knowledge and skills to develop, implement and evaluate participatory governance programs and public engagement activities. This interdisciplinary program combines academic rigor with practical skills. Students examine the main theories and research findings on participatory governance and public engagement and familiarize themselves with past and current democratic innovations in the U.S. and around the world. Students also develop the capacity to design, carry out and examine processes of participatory governance and public engagement. The certificate, administered by the School of Public Affairs, can be pursued as a specialization within an existing ASU graduate program or as a stand-alone, 15-credit-hour program.

Degree Requirements: 15 credit hours.

15 credit hours are required for the certificate: three required courses and two electives chosen from a list of preapproved courses. The electives taken toward the certificate will be selected with the faculty advisor. The faculty advisor will direct the selection of the electives to ensure that they focus on a common theme, and to see that the student's experiences in the courses align with the learning goals outlined for the certificate. Students are required to maintain at least a 3.00 GPA and to have no more than one grade below a B- in courses taken to complete the certificate program.

Admission Requirements:

Applications to the certificate will be accepted year-round. Students may be granted admission for fall, spring or summer semesters.

Applicants must meet all Graduate Education admission requirements. Regular admission may be granted to applicants who have achieved a GPA of 3.00 (4.00 scale) or better in the last two years of work leading to a bachelor's degree.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Applicants will be required to submit:

- an official ASU graduate online application
- official transcripts of undergraduate and, if applicable, graduate course work
- a statement of career and educational goals

All materials are submitted online through the Graduate Education application.

Students must fulfill the requirements of both Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Public Affairs
<https://spa.asu.edu/programs/graduate-certificates/participatory-governance>
UCENT 400
spa@asu.edu
602-496-0450

Policy Informatics (Certificate), Certificate (PPPOIGRCT)

Online Degree Search Title: Policy Informatics Certificate

Campus: DTPHX

Program Description:

Policy informatics provides knowledge and skills for students seeking careers that will use informatics tools, models and simulations to help individuals and groups deliberate and evaluate policy decisions as well as explore new governance infrastructures. The policy informatics certificate emphasizes theories and research concerning decision-making, complexity theory, and visualization of quantitative and qualitative information, collective intelligence, behavioral economics, and persuasive technologies.

This certificate helps us advance evidence-driven policy design, wherein scientific models and analyses drive decision-making for resolution of complex policy challenges, dilemmas and problems. Policy informatics is both an emerging field of research and a community of practice focusing

on advancing decision-making in the public sector through information-centric analysis of evidence that leverages computational and technological advances; and designing, managing and evaluating information systems and infrastructures for policy construction, analysis and implementation.

Policy informatics advances the multidisciplinary nature of the public administration discipline by infusing it with the advances of information technology, management of information systems, and computational and informational science perspectives.

Degree Requirements: 15 credit hours.

15 credit hours are required for the certificate: four required courses and one elective chosen from a list of preapproved courses. The elective taken toward the certificate will be selected with the faculty advisor. The faculty advisor will direct the selection of the elective to ensure a focus on a common theme, and to see that the student's experiences in the courses align with the learning goals outlined for the certificate. Students are required to maintain at least a 3.00 GPA and to have no more than one grade below a B- in courses taken to complete the certificate program.

Admission Requirements:

Applications to the certificate will be accepted year-round. Students may be granted admission for fall, spring or summer semesters.

Applicants must meet all Graduate Education admission requirements. Regular admission may be granted to applicants who have achieved a GPA of 3.00 (4.00 scale) or better in the last two years of work leading to a bachelor's degree.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Applicants will be required to submit:

- an official ASU Graduate Education online application
- official transcripts of undergraduate and, if applicable, graduate course work
- a statement of career and educational goals

All materials are submitted online through the Graduate Education application.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Public Affairs

<https://spa.asu.edu/programs/graduate-certificates/policy-informatics>

UCENT 400

spa@asu.edu

602-496-0450

Program Evaluation, MS (PPPGEMS)

Online Degree Search Title: Program Evaluation

Campus: DTPHX

Program Description:

The MS in program evaluation provides students with a solid grounding in the applied and conceptual tools of conducting program evaluations. It is designed to provide graduate-level instruction and experience in conducting evaluation research with training in a broad spectrum of evaluation research methods. Upon graduation, students will be specialists in this area of research and their training will have broad applicability for public, nonprofit and private sector programs and policies.

Degree Requirements: 30 credit hours including the required applied project course (CRD 593 or CRJ 593 or PAF 593).

Required Core Courses: 6 hours

Electives: 18 hours

Culminating Experience: 6 hours

CRD/CRJ/PAF 593 - Applied Project

Total required credit hours: 30

Admission Requirements:

Degree(s): Minimum of a bachelor's or master's degree in criminology and criminal justice, social work, public service, nonprofit management, parks and recreation management, tourism management, business, education, family studies, public health, education, psychology, or a related social and applied sciences field from a regionally accredited college or university.

GPA: Minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's first bachelor's degree program.

Minimum of 3.00 cumulative GPA (scale is 4.00 = A) in the applicable master's degree.

English Proficiency Requirement for International Applicants: The English proficiency requirements are the same as the Graduate Education requirement. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Foreign Language Exam: None

Required Admission Examinations: None required

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
College of Public Programs
<http://copp.asu.edu>
UCENT 750
copp@asu.edu
602-496-0600

Public Administration, MPA (PPPADTMPA)

Online Degree Search Title: Public Administration (MPA) - Downtown Phoenix

Campus: DTPHX

Program Description:

The MPA is an interdisciplinary, professional degree program designed to prepare students for public service, public management and policy analysis at the local, state and national levels of government. The MPA program is accredited by the National Association of Schools of Public Affairs and Administration.

Students may also elect to specialize in one of three of the approved MPA concentrations: urban management, nonprofit administration, or emergency management.

The urban management concentration provides knowledge and skills for students seeking careers in local urban government management and enables students to develop the skills and techniques used by city and urban leaders and managers.

The concentration in nonprofit administration is intended for professionals who work in or desire to work in the nonprofit sector and who wish to explore research, theory and the practice of management and leadership in the nonprofit sector.

The concentration in emergency management prepares graduates for a challenging career as a professional emergency manager. This program allows students to focus on concerns related to emergency management within the larger field of public administration.

In addition, the school offers concurrent programs in planning, sustainability, criminology and criminal justice, and social work. For admission and program requirements, please see <http://spa.asu.edu/programs/masters/concurrent> (<http://spa.asu.edu/programs/masters/concurrent>).

Degree Requirements: 42 credit hours including the required capstone course (PAF 509 or PAF 579).

The MPA program consists of 42 hours of graduate credit. Students take 27 of these hours in nine core classes in the School of Public Affairs. Students take 15 additional hours of approved elective courses which may include courses offered by the school or other academic units in the university.

Concurrent Degrees:

This degree is also offered as concurrent degree with:

- American Indian Studies (Tribal Leadership and Governance) MS
- Criminology and Criminal Justice (MS)
- Sustainable Solutions (MSUS)
- Tucson / Downtown Phoenix - Social Work - Standard Program (MSW)
- Urban and Environmental Planning (MUEP)

Accelerated Degrees:

This degree is also offered as an accelerated degree with Public Service and Public Policy, BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

All applicants must submit the following materials. All materials should be submitted online through the ASU Graduate Education application.

- an official ASU Graduate Education application online, see <http://asu.edu/gradapp> (<http://asu.edu/gradapp>)
- application fee: \$70 domestic \$90 international (note: fees increase after deadline; see <https://students.asu.edu/apply>) (<https://students.asu.edu/apply>)
- official transcripts of all undergraduate and graduate work
- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT
- three letters of recommendation, at least two of which should be from faculty or other academic staff who can evaluate applicant's academic performance
- a written statement, one- to two-pages in length, that describes the applicant's educational and career goals
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must submit proof of English proficiency. See additional requirements for international students at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).

Applicants may also submit a resume or other documents.

Contact the School of Public Affairs at 602-496-0450 or email spa@asu.edu if there are questions about the application process.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Public Affairs
<http://spa.asu.edu/programs/masters/mpa>
UCENT 400
spa@asu.edu
602-496-0450

Public Administration (Certificate), Certificate (PPUAGRCT)

Online Degree Search Title: Public Administration Certificate

Campus: DTPHX

Program Description:

The graduate certificate in public administration prepares students for work in government at all levels and nonprofit organizations through comprehensive coverage of topics in public administration, management and policy. Students discover the challenges of management, learn how to

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lead a public organization, and understand the process of policy development. The certificate is designed to give students a solid foundational understanding of administration, leadership and policy analysis in the service of public goods.

Degree Requirements: 15 credit hours.

Fifteen credit hours are required for the certificate: two required courses and three electives chosen from a list of preapproved courses. The electives taken toward the certificate will be selected with the faculty advisor. The faculty advisor will direct the selection of the electives to ensure that they focus on a common theme, and to see that the student's experiences in the courses align with the learning goals outlined for the certificate. Students are required to maintain at least a 3.00 GPA and to have no more than one grade below a "B-" in courses taken to complete the certificate program.

Admission Requirements:

Applications to the certificate will be accepted year-round. Students may be granted admission for fall, spring or summer semesters.

Applicants must meet all Graduate Education admission requirements. Regular admission may be granted to applicants who have achieved a grade point average of 3.00 (4.00 scale) or better in the last two years of work leading to a bachelor's degree.

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Applicants will be required to submit an official ASU graduate online application, official transcripts of undergraduate and (if applicable) graduate course work, and a statement of career and educational goals. All materials are submitted online through the Graduate Education application.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Public Affairs

<https://spa.asu.edu/programs/graduate-certificates/public-administration>

UCENT 400

spa@asu.edu

602-496-0450

Public Administration (Emergency Management), MPA (PPPAFEMPA)

Online Degree Search Title: Public Administration (Emergency Management)

Campus: DTPHX

Program Description:

The graduate concentration in emergency management as part of the Master of Public Administration degree program provides motivated students with the skills and knowledge to manage and assume positions of leadership within the field of emergency management. More specifically, an all hazards and all-threats orientation provides the student with a generalist perspective which is critically important for today's and tomorrow's disaster managers. In addition, this program examines community resilience from a systems perspective, embracing governments, private, nonprofit and civic roles. The program also provides an understanding of how community members respond to the need to prepare for, endure, and recover from disasters; and the ability to utilize multiple communication methods to help community members before, during and after these emergencies.

Degree Requirements: 42 credit hours including the required capstone course (PAF 509 or PAF 579).

Required Core Courses: 24 credit hours

PAF 501 Public Service Research I (3)

PAF 502 Public Service Research II (3)

PAF 503 Public Affairs (3)

PAF 504 Public Affairs Economics (3)

PAF 505 Public Policy Analysis (3)

PAF 506 Public Budgeting & Finance (3)

PAF 507 Public Human Resource Management (3)

PAF 508 Organization Behavior (3)

Required Concentration Courses: 9 credit hours

PAF 520 Public Management (3)

PAF 552 Integrated Emergency Management (3)

PAF 555 Information Technology in Emergency Management (3)

Elective or Research Courses:* 6 credit hours

PAF 525 Public Entrepreneurship (3)

PAF 531 Community Conflict Resolution (3)

PAF 534 Urban Infrastructure (3)

PAF 541 Program Evaluation (3)

PAF 560 Community Resilience (3)

PAF 562 Intergovernmental Relations (3)

PAF 571 Geographic Information Systems (GIS) and Analysis (3)

PAF 584 Internship (3)

PAF 591 Topic: Introduction to Policy Informatics (3)

PAF 591 Topic: E-Public Administration (3)

*Other electives may be substituted with approval by the School of Public Affairs

Culminating Experience: 3 credit hours

PAF 509 Public Affairs Capstone (3) or PAF 579 Public Policy Capstone (3)

Total required credit hours: 42

Admission Requirements:

Applicants to the concentration will be accepted year-round. Students may be granted admission for fall, spring or summer semesters. Students must meet all Graduate Education admission requirements.

Potential applicants who hold a bachelor's degree from a regionally accredited institution in a related field are eligible to apply to the program. Related fields include political science, criminology, planning, business, urban and metropolitan studies, as well as other social science degrees. Although the target students for the graduate concentration would most likely come from the aforementioned degree fields, the department may accept applicants with undergraduate degrees from all educational backgrounds provide they meet the minimum requirements for the degree program.

The following entry-level competencies are needed for admission the program:

- an undergraduate social statistics course such as PAF 301 Applied Statistics (3)
- undergraduate course work in American National Government such as POS 310 American National Government (3)*

*Students may also satisfy the American National Government competency by taking the College-Level Examination Program (CLEP) exam in American Government and receiving a passing score.

Regular admission may be granted to applicants who have achieved a grade point average of 3.00 (on a 4.00 scale) or higher in the last two years of work leading to a bachelor's degree. GRE verbal, quantitative and analytical scores will be used as one of the indicators to see how competitive an applicant is within the applicant pool.

Applicants will be required to submit:

- an official ASU graduate application
- official GRE scores
- official transcripts of all undergraduate and graduate course work
- a statement of career and educational goals
- three letters of recommendation (two of which should be academic recommendations)

Applicants whose native language is not English (regardless of where they may now reside) must submit proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Public Affairs
<http://spa.asu.edu>
UCENT 400
spa@asu.edu
602-496-0450

Public Administration (Nonprofit Administration), MPA (PPNONPRMPA)

Online Degree Search Title: Public Administration (NonProfit Administration) (MPA)

Campus: DTPHX

Program Description:

The MPA is an interdisciplinary, professional degree program designed to prepare students for public service, public management and policy analysis at the local, state and national levels of government. The MPA program is accredited by the National Association of Schools of Public Affairs and Administration.

The concentration in nonprofit administration is intended for professionals who work in or desire to work in the nonprofit sector and who wish to explore research, theory and the practice of management and leadership in the nonprofit sector.

Degree Requirements: 42 credit hours including the required capstone course (PAF 509 or PAF 579).

The MPA concentration in nonprofit administration program consists of 42 hours of graduate credit. Students take 24 of these hours in eight core classes in the School of Public Affairs, 12 hours in four concentration classes, and six hours in two approved elective courses. Approved elective hours may include courses offered by the school or other academic units in the university.

Admission Requirements:

All applicants must submit the following materials. All materials should be submitted online through the ASU Graduate Education application.

- an official online Graduate Education application, <http://asu.edu/gradapp> (<http://asu.edu/gradapp>)
- application fee: \$70 domestic \$90 international (see <https://students.asu.edu/apply> (<https://students.asu.edu/apply>))*

official transcripts of all undergraduate and graduate work

- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT
- three letters of recommendation**

a one- to two-page written statement of applicant's educational and career goals***

*Note: fees increase after the deadline.

**At least two letters should be faculty or other academic staff who can evaluate applicant's academic performance.

***This statement also used as a sample of the applicant's writing abilities.

Applicants may also submit a resume or other documents.

Applicants whose native language is not English (regardless of where they may now reside) must also submit proof of English proficiency. See additional requirements for international students at <http://graduate.asu.edu/international> (<http://graduate.asu.edu/international>).

Contact the School of Public Affairs at 602-496-0450 or email spa@asu.edu if there are questions about the application process.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Public Affairs
<http://spa.asu.edu/programs/masters/mpa/nonprofit>
UCENT 400
spa@asu.edu
602-496-0450

Public Administration (Urban Management), MPA (PPPAFUMPA)

Online Degree Search Title: Public Administration (Urban Management) (MPA)

Campus: DTPHX

Program Description:

The MPA is an interdisciplinary, professional degree program designed to prepare students for public service, public management and policy analysis at the local, state and national levels of government. The MPA program is accredited by the National Association of Schools of Public Affairs and Administration.

The urban management concentration provides knowledge and skills for students seeking careers in local urban government management and enables students to develop the skills and techniques used by city and urban leaders and managers.

Degree Requirements: 42 credit hours including the required capstone course (PAF 509 or PAF 579).

MPA students pursuing the urban management concentration take 27 hours in nine core classes in the School of Public Affairs, 12 hours in four concentration classes, and three hours in one approved elective course.

Admission Requirements:

All applicants must submit the following materials. All materials should be submitted online through the ASU Graduate Education application.

- an official ASU Graduate Education application online <http://asu.edu/gradapp> (<http://asu.edu/gradapp>)
- application fee: \$70 domestic; \$90 international*

official transcripts of all undergraduate and graduate work sent to Graduate Education

- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT
- three letters of recommendation**
- a written statement of applicant's educational and career goals, 1-2 pages in length***

*Note: fees increase after deadline see <https://students.asu.edu/apply> (<https://students.asu.edu/apply>).

**At least two should be from faculty or other academic staff who can evaluate the applicant's academic performance.

***This is also used as a sample of the applicant's writing abilities.

Applicants may also submit a resume or other documents.

Applicants whose native language is not English (regardless of where they may now reside) must also submit proof of English proficiency. See additional requirements for international students at <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).

Contact the School of Public Affairs at 602-496-0450 or email spa@asu.edu (<mailto:spa@asu.edu>) if there are questions about the application process.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Public Affairs

Public Administration (Urbanism), PHD (PPPAURBPHD)

Online Degree Search Title: Public Administration and Policy (Urbanism) PHD

Campus: DTPHX

Program Description:

The PhD in public administration and policy is a theoretically grounded research degree designed to prepare students for an academic career. The degree is also appropriate for individuals who want to conduct high level research and policy development in public and nonprofit agencies, foundations, and research institutes. It is designed for students who seek full-time study.

Our goal is to develop well-rounded, independent scholars who are grounded in the classic and current literatures of public administration and public policy, skilled in research methods, and ready to make a positive and important contribution to the field through teaching and research. We provide a balanced curriculum to ensure mastery of core ideas and materials as well as the opportunity to develop specialized expertise in two specific subfields as determined by the student and his or her committee. These subfields can focus on any area related to public administration and public policy and can draw on faculty expertise from across the ASU campuses. The doctorate in public administration and policy with an urbanism concentration permits students to draw upon the extensive resources in urban affairs at ASU. As a result, upon graduation, our doctoral students are poised for success as productive and active scholars, researchers and teachers.

The concentration in urbanism is a mechanism for organizing varied perspectives on urbanism into a collective body of scholarship. The study of public administration is enriched by grounding it in a comprehensive understanding of the characteristics of urban context and the dynamic forces that shape them. The concentration in urbanism leverages the varied interests in urbanism and helps emerging scholars as they attempt to compare, contrast, and take stock of urbanism. Working with faculty from across a range of departments and programs at ASU, doctoral students will be able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

Degree Requirements: 90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The doctoral program is designed to promote the mastery of the core knowledge of public administration and public policy and to develop more specialized expertise in chosen areas of study and research. Accordingly, in the first year, doctoral students take four core courses as a cohort. These courses focus on the foundations of the field, the philosophy of science, and theories and issues in governance, public policy, systems, organizations and human behavior. Additionally, first year students enroll in at least two elective courses. In the second year, students hone both their quantitative and qualitative research skills, enroll in additional electives, and develop a program of study for their areas of specialization. In the third year, students take an advanced seminar in research and teaching, complete their work in their selected areas of specialization and move forward to a proposal for completing their dissertation.

The program consists of a minimum of 60 credit hours of graduate work beyond the master's degree. Of the 60 credit hours, at least 24 must be research and dissertation credit (of which no more than 12 hours may be dissertation credit). A minimum of 30 credit hours of approved course work, exclusive of dissertation and research, must be taken at ASU after admission to the program. In addition to the core courses above, doctoral students are required to complete course work in two areas of specialization. Specializations are developed in consultation with the student's program of study committee and can focus on a variety of topics related to public administration and public policy. Doctoral students may work with faculty from other departments, if appropriate, to complete their specializations. As an alternative, students may opt for the urbanism concentration.

In addition to the required doctoral core courses, students take a required concentration core course (GCU 516 Principles of Urbanism) and 12 credit hours selected from an approved list of applicable courses related to the four areas below.

- Natural environment: includes global, ecological, biological and other environmental and natural systems and resources.
- Built form: includes architecture, urban design, urban morphology, urban planning, and transportation and infrastructure.
- Institutions and governance: includes public policy, politics, and other governmental, economic, legal, and political institutions.
- Culture and society: includes historical, cultural, and sociological aspects of urbanism.

Admission Requirements:

All applicants are expected to have completed graduate level statistics and research methods classes before admission. Applicants also are expected to have sufficient formal course work in public administration to pursue doctoral study in the field. Admitted students are required to take PAF 501, PAF 502, PAF 503, PAF 504, PAF 508 (or their equivalents) and statistics prior to beginning the doctoral core courses. Applicants who are not pursuing an MPA should not take these courses until they consult with the doctoral program director.

Applicants are admitted for fall only. Admission is competitive; a limited number of well-qualified applicants will be admitted each year. A completed application packet is due by Jan. 15.

All applicants must submit the following materials:

- a completed checklist (submit online)
- an official online ASU Graduate Education application and application fee
- a written statement of educational and career goals that includes a discussion of research interests (submit online)
- a current resume or curriculum vitae (submit online)
- three letters of recommendation (submit online)*
- samples of research reports or papers (submit online)

official transcripts of all undergraduate and graduate work

- scores on the GRE (verbal, quantitative, analytical) - GRE institution code: 4007**

proof of English proficiency***

*These should be primarily from faculty members. All letters should address the candidate's capacity to successfully complete the doctoral program. They should assess the student's capacity for critical and analytic thought, their ability to communicate effectively, both orally and in writing, and their commitment to completion of the program.

**Only test scores from within the past five years will be accepted and analytical scores will be considered in admission decisions.

***Applicants whose native language is not English (regardless of where they may now reside) must submit TOEFL scores to be considered for admission (institution code: 4007). This is true even for those who have a master's degree from a United States university. To be considered for admission to the PhD in public administration and policy program, the minimum score on the traditional TOEFL test is 600, the minimum score for the TOEFL iBT is 100. Applicants with scores below the minimum will not be considered. For more on the English proficiency requirement, please see <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of

School of Public Affairs

<https://spa.asu.edu/programs/doctoral/phd/urbanism>

UCENT 400

spa@asu.edu

602-496-0450

Public Administration and Policy, PHD (PPPUBADPHD)

Online Degree Search Title: Public Administration and Policy (PhD)

Campus: DTPHX

Program Description:

The PhD in public administration and policy is a theoretically grounded research degree designed to prepare students for an academic career. The degree is also appropriate for individuals who want to conduct high level research and policy development in public and nonprofit agencies, foundations and research institutes. It is designed for students who seek full-time study.

Our goal is to develop well-rounded, independent scholars who are grounded in the classic and current literatures of public administration and public policy, skilled in research methods, and ready to make a positive and important contribution to the field through teaching and research. We provide a balanced curriculum to ensure mastery of core ideas and materials, as well as the opportunity to develop specialized expertise in two specific subfields as determined by the student and his or her committee. These subfields can focus on any area related to public administration and public policy and can draw on faculty expertise from across the ASU campuses. The doctoral program in public administration and policy with an urbanism concentration permits students to draw upon the extensive resources in urban affairs at ASU. As a result, upon graduation, our doctoral students are poised for success as productive and active scholars, researchers and teachers.

Degree Requirements: 90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

The doctoral program is designed to promote the mastery of the core knowledge of public administration and public policy and to develop more specialized expertise in chosen areas of study and research. Accordingly, in the first year, doctoral students take four core courses as a cohort. These courses focus on the foundations of the field, the philosophy of science, and theories and issues in governance, public policy, systems, organizations and human behavior. Additionally, first-year students enroll in at least two elective courses. In the second year, students hone both their quantitative and qualitative research skills, enroll in additional electives, and develop a plan of study for their areas of specialization. In the third year, students take an advanced seminar in research and teaching, complete their work in their selected areas of specialization, and move forward to a proposal for completing their dissertation.

The program consists of a minimum of 60 credit hours of graduate work beyond the master's degree. Of the 60 credit hours, at least 24 must be

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research and dissertation credit (of which no more than 12 hours may be dissertation credit). A minimum of 30 credit hours of approved course work, exclusive of dissertation and research, must be taken at ASU after admission to the program. In addition to the core courses above, doctoral students are required to complete course work in two areas of specialization. Specializations are developed in consultation with the student's plan of study committee and can focus on a variety of topics related to public administration and public policy. Doctoral students may work with faculty from other departments, if appropriate, to complete their specializations. As an alternative, students may opt for the urbanism concentration.

Admission Requirements:

All applicants are expected to have completed graduate-level statistics and research methods classes before admission. Applicants also are expected to have sufficient formal course work in public administration to pursue doctoral study in the field. Admitted students are required to take PAF 501, PAF 502, PAF 503, PAF 504, PAF 508 (or their equivalents) and statistics prior to beginning the doctoral core courses. Applicants who are not pursuing an MPA should not take these courses until they consult with the doctoral program director.

Applicants are admitted for fall only. Admission is competitive; a limited number of well-qualified applicants will be admitted each year. A completed application packet is due by Jan. 15.

All applicants must submit the following materials:

- a completed checklist (submit online)
- an official ASU Graduate Education application and application fee
- a written statement of educational and career goals that includes a discussion of research interests (submit online)
- a current resume or vitae (submit online)
- three letters of recommendation*
- samples of research reports or papers (submit online)

official transcripts of all undergraduate and graduate course work

- scores on the GRE (verbal, quantitative, analytical) - GRE institution code: 4007**
- proof of English language proficiency***

*These letters of recommendation should be primarily from faculty members. All letters should address the candidate's capacity to successfully complete the doctoral program. They should assess the student's capacity for critical and analytic thought, their ability to communicate effectively, both orally and in writing, and their commitment to completion of the program (submit online).

**Only test scores from within the past five years will be accepted and analytical scores will be considered in admissions decisions.

***Applicants whose native language is not English (regardless of where they now reside) must submit TOEFL scores to be considered for admission; institution code: 4007. This is true even for those who have a master's degree from a U.S. university. To be considered for admission to the doctorate in public administration and policy program, the minimum score on the traditional TOEFL test is 600, the minimum score for the TOEFL iBT is 100. Applicants with scores below the minimum will not be considered. For more on the English proficiency requirement, please see <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Public Affairs
<http://spa.asu.edu/programs/doctoral/phd>
UCENT 400
spa@asu.edu
602-496-0450

Public Policy, MPP (PPPUBPMPP)

Online Degree Search Title: Public Policy (MPP)

Campus: DTPHX

Program Description:

The MPP program allows students to approach the study of public policy with a focus on public policy in the urban setting. The master's in public policy program prepares students for professional careers as policy analysts and leaders in public service involved in the formulation, approval, implementation and evaluation of public policy at all levels of government and in the private and nonprofit sectors. It can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies or other related programs. Students learn analytical techniques and conceptual frameworks for understanding policy issues and identifying potential solutions, and applying these skills to real-world issues — especially relating to the needs of cities in the region. Students also gain an understanding of policies addressing issues such as poverty, education, the environment and public safety.

The program trains people capable of leading by making positive policy decisions, addressing the difficult questions associated with public policy, and managing the process of policy creation, approval, implementation and evaluation. At the conclusion of the master's program, students will be able to identify, analyze and interpret the challenges and dilemmas of public policies, especially those facing urban areas. Students will also be able

to approach policy analysis with a variety of quantitative and qualitative methods, and be prepared to develop innovative processes and tools to deal with changing realities of public policy and address issues on a global, regional and local scale.

The concentration in policy informatics combines mastery of advanced methods for processing information with domain expertise that will help humans understand complex social phenomena and achieve goals within public and governance applications. It is not required to complete a concentration.

Degree Requirements: 42 credit hours including the required capstone course (PAF 509 or PAF 579).

The MPP program consists of 42 hours of graduate credit. Students take 33 of these hours in 11 core classes in the School of Public Affairs. Students take nine additional hours of approved elective courses.

Students enrolling in core MPP courses must demonstrate minimum competency in statistics and microeconomics. Courses taken to fulfill competencies do not count toward the 42-hour degree program. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program.

Concurrent Degrees:

This degree is also offered as concurrent degree with:

- Criminology and Criminal Justice (MS)
- Sustainable Solutions (MSUS)
- Urban and Environmental Planning (MUEP)

Admission Requirements:

All materials should be submitted online through the ASU Graduate Education application. Contact the School of Public Affairs at 602-496-0450 or email spa@asu.edu if there are questions about the application process.

All applicants must submit the following materials:

- an official ASU Graduate application online <http://asu.edu/gradapp> (<http://asu.edu/gradapp>)
- application fee: \$70 domestic; \$90 international (note: fees increase after deadline; see <https://students.asu.edu/apply>) (<https://students.asu.edu/apply>)
- official transcripts of all undergraduate and graduate work sent to Graduate Education
- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT
- three letters of recommendation (at least two from faculty or other academic staff who can evaluate applicant's academic performance)
- a one- to two-page written statement of the applicant's educational and career goals, which will also be used as a sample of the applicant's writing abilities
- proof of English language proficiency*

Applicants may also submit a resume or other documents.

Applicants whose native language is not English (regardless of where they may now reside) must also submit proof of English proficiency. See additional requirements for international students at <http://graduate.asu.edu/international> (<http://graduate.asu.edu/international>).

Students must fulfill requirements of both Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Public Affairs
<https://spa.asu.edu/programs/masters/mpp>
UCENT 400
spa@asu.edu
602-496-0450

Public Policy (Certificate), Certificate (PPPUPGRCT)

Online Degree Search Title: Public Policy Certificate

Campus: DTPHX

Program Description:

This certificate prepares students for professional careers as policy analysts and leaders in public service involved in the formulation, approval, implementation, and evaluation of public policy at all levels of government and in the private and nonprofit sectors. The program is designed to give students analytical techniques and conceptual frameworks for understanding policy issues as well as identifying potential solutions and applying these skills to real-world issues.

Degree Requirements: 15 credit hours.

15 credit hours are required for the certificate: three required courses and two electives chosen from a list of preapproved courses. The electives taken toward the certificate will be selected with the faculty advisor. The faculty advisor will direct the selection of the electives to ensure that they focus on a common theme, and to see that the student's experiences in the courses align with the learning goals outlined for the certificate. Students are required to maintain at least a 3.00 GPA and to have no more than one grade below a "B-" in courses taken to complete the certificate program.

Admission Requirements:

Applications to the certificate will be accepted year-round. Students may be granted admission for fall, spring or summer semesters.

Students must meet all Graduate Education admission requirements. Regular admission may be granted to applicants who have achieved a grade point average of 3.00 (4.00 scale) or better in the last two years of work leading to a bachelor's degree.

An applicant whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Applicants will be required to submit an official ASU Graduate Education online application, official transcripts of undergraduate and (if applicable) graduate course work, and a statement of career and educational goals. All materials are submitted through the online application.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Public Affairs
<https://spa.asu.edu/programs/graduate-certificates/public-policy>
UCENT 400
spa@asu.edu
602-496-0450

Public Policy (Environmental Policy), MPP (PPPUPEPMPP)

Online Degree Search Title: Public Policy (Environmental Policy)

Campus: DTPHX

Program Description:

The MPP with a concentration in environmental policy prepares master's-level students to apply sustainability principles and approaches to careers in a variety of fields that address environmental and, inevitably, human challenges. Students with a concentration in environmental policy will have the knowledge base and skills to bring sustainability solutions to corporate, government and nonprofit sectors. The concentration begins by building a foundation in environmental policy and theory through the core course work, followed by one elective that develops and deepens student expertise in specific areas and issues. The concentration is uniquely positioned to allow students to build careers in public policy analysis and administration, international development and nonprofit organizations.

Degree Requirements: 42 credit hours including the required capstone course (PAF 509 or PAF 579).

Required Core Courses: 30 credit hours

PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 503 Public Affairs (3)
PAF 505 Public Policy Analysis (3)
PAF 540 Advanced Policy Analysis (3)
PAF 541 Program Evaluation (3)
PAF 570 Urban Economics and Public Finance (3)
PAF 571 Geographic Information Systems (GIS) and Analysis (3)
PAF 573 Advanced Regression (3)
PAF 574 Diversity, Ethics and Leading Public Change (3)

Required Concentration Courses: 6 credit hours

PAF 545 or SOS 545 Organizations, Sustainability and Public Policy (3)

PAF 546 Environmental Policy and Management (3)

Electives: 3 credit hours (choose one)

CRD 572 Community and Social Innovations (3)

PAF 584 Internship (3)

PUP 548 Planning for Sustainable Communities (3)

PUP 565 Sustainable Urbanism (3)

SOS 512 Sustainable Resource Allocation (3)

SOS 513 Science for Sustainability (3)

SOS 514 Human Dimensions of Sustainability (3)

SOS 517 Sustainability and Enterprise (3)

SOS 530 International Development and Sustainability (3)

SOS 532 Sustainable Urban Dynamics (3)

SOS 533 Sustainable Water (3)

SOS 534 Sustainable Energy and Material Use (3)

SOS 536 Food System Sustainability (3)

SOS 553 Ecological Anthropology (3)

SOS 591 Topic: Adaptation, Resilience and Transformation (3)

SOS 591 Topic: Environmental Ethics and Policy Goals (3)

SOS 598 Topic: Human and Social Dimensions of Global Climate Change (3)

SOS 598 Topic: Urban Ecological Systems (3)

SOS 598 Topic: US Energy: Pathways to Sustainability (3)

SOS 598 Topic: Sustainable Futures Studio (3)

TDM 570 Sustainable Tourism (3)

Culminating Experience: 3 credit hours (choose one)

PAF 509 Public Affairs Capstone (3)

PAF 579 Public Policy Capstone (3)

Total required credit hours: 42

Admission Requirements:

Applicants to the concentration will be accepted year-round. Students may be granted admission for fall, spring or summer semesters. Students must meet all Graduate Education admissions requirements.

Potential applicants who hold a bachelor's degree from a regionally accredited institution in a related field are eligible to apply to the program. Related fields include political science, sustainability, planning, business, urban and metropolitan studies, as well as other social science degrees. Although the target students for the graduate concentration would most likely come from the aforementioned degree fields, the department may accept applicants with undergraduate degrees from all educational backgrounds provided they meet the minimum requirements for the degree program.

The following entry-level competencies are needed for admission to the program:

- an undergraduate social statistics course such as PAF 301 Applied Statistics (3)
- previous course work in microeconomics including coverage of market failure and public goods with a grade of "B" or higher*

*Suggested courses that will satisfy this entry-level competency include PAF 201 Economics and Public Policy (3) or PAF 504 Public Affairs
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Economics (3). An introduction to microeconomics course taken at either the undergraduate or graduate-level is sufficient to complete this competency. However, students who complete the graduate course may not use that class on their graduate Plan of Study.

Students can complete deficiency classes prior to admission to the program or within their first semester after admission. Courses taken to satisfy entry-level competencies cannot be used toward the completion of the master's degree.

Regular admission may be granted to applicants who have achieved a grade point average of 3.00 (on a 4.00 scale) or higher in the last two years of work leading to a bachelor's degree. GRE verbal, quantitative and analytical scores will be used as one of the indicators to see how competitive an applicant is within the applicant pool.

Applicants will be required to submit:

an official ASU graduate application

- official GRE scores
- official transcripts of all undergraduate and graduate course work
- a statement of career and educational goals
- three letters of recommendation (two of which should be academic recommendations)

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Public Affairs
<http://spa.asu.edu>
UCENT 400
spa@asu.edu
602-496-0450

Public Policy (Policy Informatics), MPP (PPPUPPIMPP)

Online Degree Search Title: Public Policy (Policy Informatics) MPP

Campus: DTPHX

Program Description:

The MPP in public policy concentration in policy informatics provides knowledge and skills for students seeking careers that will use informatics tools, models and simulations to help individuals and groups deliberate and evaluate policy decisions as well as explore new governance infrastructures. This concentration emphasizes theories and research concerning decision-making, complexity theory and visualization of quantitative and qualitative information, collective intelligence, behavioral economics, and persuasive technologies.

The concentration in policy informatics combines mastery of advanced methods for processing information with domain expertise that will help humans understand complex social phenomena and achieve goals within public and governance applications. The program's design responds to the need for professionals with domain knowledge that can take a problem-driven, system-level, user-oriented perspective in developing and applying informatics systems to address societal and governance needs.

Degree Requirements: 42 credit hours including the required capstone course (PAF 509/PAF 579).

The MPP program consists of 42 hours of graduate credit. Students take 33 of these hours in 11 core classes in the School of Public Affairs. Students take nine additional hours of approved concentration courses.

Students enrolling in core MPP courses must demonstrate minimum competency in statistics and microeconomics. Courses taken to fulfill competencies do not count toward the 42-hour degree program. Completion of prerequisite courses is not a requirement for admission but must be completed within one semester after starting the program.

Admission Requirements:

All application materials should be submitted online through the ASU Graduate Education application. All applicants must submit the following materials:

- an official ASU Graduate application online <http://asu.edu/gradapp> (<http://asu.edu/gradapp>)*
- official transcripts of all undergraduate and graduate work
- verbal, quantitative and analytical scores on the GRE (institution code: 4007) or GMAT
- three letters of recommendation (at least two should be faculty or other academic staff who can evaluate applicant's academic performance)
- written statement, one- to- two pages in length, describing the applicant's educational and career goals**

*Note: Application fee: \$70 domestic; \$90 international; fees increase after deadline, see <https://students.asu.edu/apply> (<https://students.asu.edu/apply>).

**This statement is also used as a sample of the applicant's writing abilities.

Applicants may also submit a resume or other documents.

International applicants must also submit proof of English proficiency. See additional requirements for international students at <http://graduate.asu.edu/international> (<http://graduate.asu.edu/international>).

Contact the School of Public Affairs at 602-496-0450 or email spa@asu.edu if there are questions about the application process.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Public Affairs
<https://spa.asu.edu/programs/masters/mpp/mpp-policy-informatics>
UCENT 400
spa@asu.edu
602-496-0450

Public Policy (Science and Technology Policy), MPP (PPPUPSTMPP)

Online Degree Search Title: Public Policy (Science and Technology Policy)

Campus: DTPHX, TEMPE

Program Description:

The MPP in public policy with a concentration in science and technology policy provides knowledge and skills for students seeking or advancing careers in areas where science and technology are guided by public policy or where science and technology play an integral role in the policy process. This concentration emphasizes theories and research concerning the role of science in decision-making, complexity theory, institutional design of knowledge production organizations, national innovation systems, innovation and industrial policy, technology transfer and research evaluation.

Degree Requirements: 42 credit hours including the required capstone course (PAF 509 or PAF 579).

Required Core Courses: 30 credit hours

PAF 501 Public Service Research I (3)
PAF 502 Public Service Research II (3)
PAF 503 Public Affairs (3)
PAF 505 Public Policy Analysis (3)
PAF 540 Advanced Policy Analysis (3)
PAF 541 Program Evaluation (3)
PAF 570 Urban Economics and Public Finance (3)
PAF 571 Geographic Information Systems (GIS) and Analysis (3)
PAF 573 Advanced Regression (3)
PAF 574 Diversity, Ethics and Leading Public Change (3)

Required Concentration Courses: 6 credit hours

HSD 501 Science and Technology Policy (3)
PAF 547 Science, Technology and Public Affairs (3)

Electives: 3 credit hours (choose one)

HSD 502 Advanced Science and Technology Policy (3)
HSD 598 Disability Technology, Ethics and Policy (3)
HSD 598 Policy & Leadership for Systems Innovation (3)
PAF 525 Public Entrepreneurship (3)
PAF 546 Environmental Policy and Management (3)

Culminating Experience: 3 credit hours (choose one)

PAF 509 Public Affairs Capstone (3)
PAF 579 Public Policy Capstone (3)

Total required credit hours: 42

Admission Requirements:

Applicants to the concentration will be accepted year-round. Students may be granted admission for fall, spring or summer semesters. Students must meet all Graduate Education admission requirements.

Potential applicants who hold a bachelor's degree from a regionally accredited institution in a related field are eligible to apply to the program. Related fields include political science, sustainability, planning, business, urban and metropolitan studies, as well as other social science degrees. Although the target students for the graduate concentration would most likely come from the aforementioned degree fields, the department may accept applicants with undergraduate degrees from all educational backgrounds provide they meet the minimum requirements for the degree program.

The following entry-level competencies are needed for admission to the program:

- an undergraduate social statistics course such as PAF 301 Applied Statistics (3)
- previous course work in microeconomics including coverage of market failure and public goods with a grade of "B" or higher
- suggested courses that will satisfy this entry-level competency include PAF 201 Economics and Public Policy (3) or PAF 504 Public Affairs Economics (3)*

*An introduction to microeconomics course taken at either the undergraduate or graduate-level is sufficient to complete this competency. However, students who complete the graduate course may not use that class on their graduate Plan of Study.

Students can complete deficiency classes prior to admission to the program or within their first semester after admission. Courses taken to satisfy entry-level competencies cannot be used toward the completion of the master's degree.

Regular admission may be granted to applicants who have achieved a GPA of 3.00 (on a 4.00 scale) or higher in the last two years of work leading to a bachelor's degree. GRE verbal, quantitative and analytical scores will be used as one of the indicators to see how competitive an applicant is within the applicant pool.

Applicants will be required to submit:

- an official ASU graduate application
- official GRE scores

- official transcripts of all undergraduate and graduate course work
- a statement of career and educational goals
- three letters of recommendation (two of which should be academic recommendations)

Applicants whose native language is not English (regardless of where they may now reside) must submit proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Public Affairs
<http://spa.asu.edu>
UCENT 400
spa@asu.edu
602-496-0450

Public Safety Leadership and Administration, MPSLA (PPPSLAMPSL)

Online Degree Search Title: Master of Public Safety Leadership and Administration

Campus: DTPHX

Program Description:

The Master of Public Safety Leadership and Administration is a graduate degree program designed primarily for public safety professionals. An advanced degree is an important key to career progression within public safety administration. Those with an advanced degree have an advantage that makes a difference as they seek to advance in their professions - a practical understanding of public safety organization administration. Graduates of this program should expect to find employment and advancement in all levels of government agencies from local to as well as the private sector.

Degree Requirements: 30 credit hours including the required capstone course (PAF 509 or CRJ 505).

Required Core Courses: 24 hours

PAF 503 Public Affairs 3
PAF 506 Public Budgeting and Finance 3
PAF 507 Public Human Resource Management 3
PAF 508 Organization Behavior 3
CRJ 501 Seminar in Criminal Justice 3
CRJ 510 Criminal Justice Planning and Program Evaluation 3
CRJ 511 Applied Data Analysis in Criminal Justice 3
CRJ 516 Seminar in Criminal Justice Organization and Management 3

Electives: 3 hours (choose one course)

PAF 522 Public Labor Relations 3
PAF 531 Community Conflict Resolution 3
PAF 574 Diversity, Ethics and Leading Public Change 3
CRJ 512 Seminar in Policing 3
CRJ 513 Seminar in Courts and Sentencing 3
CRJ 514 Seminar in Corrections 3
CRJ 518 Seminar on Race/Ethnicity, Crime and Justice 3
CRJ 521 Seminar on the Nature of Crime 3
PAF/CRJ Other PAF or CRJ 400 or 500 level courses with advisor approval 3

Culminating Experience: 3 hours

PAF 509 Public Affairs Capstone OR

CRJ 505 Theory and Practice in Criminal Justice (capstone)

Total required credit hours: 30

Admission Requirements:

Degree(s): Minimum of a bachelor's or master's degree in Criminology, Public Administration, Sociology, Public Safety, Social Work, Parks and Recreation Management, Applied Sciences, or a closely related field from a regionally accredited College or University.

GPA: Minimum of a 3.00 cumulative GPA (scale is 4.0=A) in the last 60 hours of a student's first bachelor's degree program. Minimum of 3.00 cumulative GPA (scale is 4.0 = A) in the applicable Master's degree.

English Proficiency Requirement for International Applicants: The English proficiency requirements are the same as the Graduate Education requirement.

Required Admission Examinations: None

Letters of Recommendation: Two letters of recommendation

Contact Information:

Public Programs, College of

College of Public Programs

<http://copp.asu.edu>

UCENT 600

sccj_grad@asu.edu

602-496-2365

Social Entrepreneurship and Community Development (certificate), Certificate (PPSECDGRCT)

Online Degree Search Title: Social Entrepreneurship and Community Development (Graduate Cert)

Campus: DTPHX, ONLNE

Program Description:

The online social entrepreneurship and community development graduate certificate, offered through the School of Community Resources and Development, provides a framework for harnessing entrepreneurial and enterprise opportunities, creating transformative responses to challenges prevalent in societies and communities. This transdisciplinary program combines social entrepreneurship with innovative community development, providing a basis for exploring capacity-building and fostering positive change for organizations, corporations, societies and economies. The certificate complements well the Master of Nonprofit Studies program for students interested in pursuing their degree and social entrepreneurship certificate. Consisting of 15 credit hours of graduate credit course work, the certificate is designed for students studying nonprofit leadership and management, social entrepreneurship, public policy and related fields across disciplines and includes a hands-on portfolio component.

Degree Requirements: 15 credit hours..

Required courses (12 credit hours):

NLM 562 Social Entrepreneurship (3)

NLM 572 Community and Social Innovation (3)

NLM 520 Financial and Resource Management (3)

NLM 593 Applied Project (3)

Elective courses (3 credit hours)

Admission Requirements:

Applicants must complete the Graduate Education online application. A bachelor's degree from a regionally accredited college or university recognized by ASU is required, with a minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of the program.

A Test of English as a Foreign Language (TOEFL) score is required from applicants whose native language is not English (regardless of where they may now reside). Please visit <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>) for more information.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu/>
UCENT 550
nonprofit@asu.edu
602-496-0153

Social Work, MSW (PPSWDMSW)

Online Degree Search Title: Tucson / Downtown Phoenix - Social Work - Standard Program (MSW)

Campus: DTPHX

Program Description:

The professional program leading to the MSW prepares social workers for advanced direct practice or planning, administration and community practice. The program is designed to prepare social workers to be capable of responding effectively to the needs of special populations in the Southwest. The MSW program is accredited by the Council on Social Work Education.

Degree Requirements: 45 credit hours and a portfolio, or 45 credit hours and a thesis, or 45 credit hours including the required capstone course (SWG 621), or 60 credit hours and a portfolio (MSW/MPA dual degree), or 60 credit hours and a thesis (MSW/MPA dual degree), or 60 credit hours and an applied project, or 60 credit hours including the required capstone course (SWG 621) (MSW/MPA dual degree).

Students begin the standard MSW program in the fall, and it may be completed within four semesters (full-time) or six semesters (part-time). It is a 45-to-60-credit-hour program, including classroom and field instruction. It is divided into a foundation year (30 credit hours of core curriculum) taken by all students and a concentration (30 credit hours).

The foundation year includes basic courses in clinical practice, organizational and community change, social policy, human behavior and research.

Students are required to complete two internships: a foundation field placement (480 hours) and a concentration field placement (480 hours) in a different setting.

In the concentration year, students select one of the following concentrations: advanced direct practice or planning, administration and community practice.

Some of the required policy, administration and community practice courses are only available at the Downtown Phoenix campus.

Students who select the advanced direct practice concentration also select one of the following three specializations:

- children, youth and families
- health, behavioral health
- public child welfare

All specializations may not be available in Tucson.

Concurrent Degrees:

This degree is also offered as concurrent degree with:

- Juris Doctor (JD)
- Public Administration (MPA) - Downtown Phoenix

Admission Requirements:

Applications to the standard MSW program are accepted from Nov. 1 to March 1, or for priority review by Feb. 1, preceding the fall semester to which the applicant is seeking admission. Applicants admitted to the standard MSW program begin classes in the fall.

All applicants must have 120 hours of volunteer or work experience in social services during a six-month period within the past five years.

All applicants must submit the following materials. All required admission materials are submitted directly to Graduate Education at <http://graduate.asu.edu/> (<http://graduate.asu.edu/>). Contact the School of Social Work at 602-496-0800 if there are questions about the application process.

- online Graduate Education application
- application fee
- official transcripts of all undergraduate and graduate work
- three letters of reference*
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals**
- signed standards of ethical and professional behavior form

*A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's BSW field instructor, or if employed in a social work-related job for two or more years, a recommendation from the applicant's supervisor.

**Guidelines for writing the statement can be found at <http://ssw.asu.edu/admissions-degrees/msw-folder> (<http://ssw.asu.edu/admissions-degrees/msw-folder>) in "MSW Application Procedures/Materials."

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Test scores from either the GRE or the Miller Analogies test are required only if the applicant's junior and senior GPA was below a 3.20 (on a 4.00 scale).

The School of Social Work requires one of the following:

- undergraduate degree, with 30 credit hours in liberal arts courses at the undergraduate or graduate level
- BSW from a Council on Social Work Education-accredited school of social work
- liberal arts undergraduate degree

All students are required to successfully complete a course in human biology before enrollment in the graduate program and a course in statistics, either by Dec. 31 or before registering for SWG 519.

Part-time Program

Students are admitted each fall to a planned part-time program. Students interested in this option must specifically apply to the part-time program and complete it in accordance with the plan developed to finish the degree in three years.

Transfer Credit

Upon recommendation of the admission committee, the first year of graduate study (up to 30 graduate credit hours) earned at another Council on Social Work Education-accredited school of social work may be transferred and applied toward the MSW at ASU. Under these circumstances, the student must complete the second full year of graduate study (at least 30 credit hours of graduate work) at ASU. Transfer work must have been completed within three years of the semester and year of admission to the MSW program at ASU with a grade of "B" (3.00) or better.

Exemption and Waiver Examinations

The number of hours required to complete the standard MSW ranges from 45 to 60 credit hours. In addition to transferring in credit, per the recommendation of the School of Social Work director and the MSW coordinator, admitted students may meet requirements of up to 15 hours of credit toward the degree by exempting up to 15 hours of foundation course work without examination or successfully completing examinations in SWG 501, SWG 502 or SWG 519. Please note that, when applicable, the academic unit will provide a rationale for exemption for students if the student is not from a BSW program accredited by the Council on Social Work Education.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Social Work
<http://ssw.asu.edu/>
UCENT 800
social.work@asu.edu
602-496-0800

Social Work, PHD (PPSW2PHD)

Online Degree Search Title: Downtown Phoenix - Social Work (PhD)

Campus: DTPHX

Program Description:

The purpose of the doctoral program in social work is to prepare future social work scholars. While there are many possible definitions of scholarship, the Arizona State University School of Social Work adheres to a broad definition.

A scholar in social work engages in research, teaching and service. The program introduces students to the complex range of roles and responsibilities of faculty and other social work roles of leadership. Critical thinking and creativity in research, teaching and service are at the core of our program.

Given the cultural and economic diversity of the Southwest, the program also strives to elaborate the human potential embedded in our region's distinct experiences and perspectives. The university offers opportunities for scholarship integrating diverse cultural experiences such as those offered through specialized programs, including American Indian studies and Chicana and Chicano studies, African and African American studies and Asian Pacific American studies. We hope our graduates will play key roles in integrating diversity in their social welfare activities with local, state and regional groups.

The program emphasizes enhancement of scholarship through:

- applied social work research in diverse community settings and populations of the Southwest
- participation in collegial decision making
- participation in field education and community services
- teaching, from syllabus development to classroom teaching across the professional continuum

Students are expected to participate fully in research teaching and field liaison activities during their course of studies.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The doctoral program requires students to take a minimum of 36 course credit hours beyond the MSW and 84 beyond the bachelor's. Students may need to take additional course work to achieve the competency requirements set by the program or set by their graduate supervisory committees. Students must also take a minimum of 24 credit hours of dissertation related research (12 hours of SWG 792 and 12 hours of SWG 799).

Residency

Within the first year of matriculation, all students must complete the School of Social Work residency requirement (a minimum of nine credit hours in each semester of consecutive fall/spring or spring/fall semesters excluding summers).

Foreign Language Requirement

None.

Qualifying Examination

Students are given a qualifying examination in the semester following the completion of the first 18 hours of approved doctoral course work. Students who fail the examination may retake it the following semester. Students failing the qualifying examination twice will be dropped from the program.

Comprehensive Examination

Upon completion of course work and the qualifying examination, but before beginning dissertation research, students are given a written examination covering research, theory and methods in their substantive areas. If students should fail one or more components of the examination, a reexamination may be administered no sooner than three months and no later than one year from the date of the original examination. Approval of the reexamination must be obtained from the supervisory committee and dean of graduate studies.

Research and Dissertation Requirements

Each candidate must register for a minimum of 12 hours of research credit (SWG 792) and 12 hours of dissertation credit (SWG 799).

Final Examination

The final oral examination in defense of the dissertation is scheduled and conducted by the student's dissertation committee. A candidate must pass the final examination within five years after completing the comprehensive examination.

The following courses are required:

- nine hours of directed electives in an identified and chair-approved substantive area of which no more than three of these hours may be used in readings and conference or independent study courses
- three hours of theory course in a social science discipline
- 12 hours of required 700-level social work courses approved by the doctoral program committee
- 12 hours of research methods and statistics courses selected from an approved list provided by the doctoral program committee

Once the minimum 36 credit hours are completed, students are also required to register for 24 hours of dissertation research credit, SWG 792 before proposal defense and SWG 799 after. Students must be registered for at least one credit hour during the semester (including summer) when they do their dissertation proposal defense. At least one of the dissertation hours must be taken in the semester the student expects to defend his or her dissertation.

Admission Requirements:

Admission to the doctoral program in the School of Social Work is based on the following criteria:

- an MSW from an accredited school of social work, preferably with two or more years of post-MSW employment in human services*
- experience in social work teaching or research and other scholarly activities
- experience with diverse populations
- goodness-of-fit with program goals
- good professional standing
- undergraduate and graduate GPA
- quality and extensiveness of social work experience
- research potential and creativity as demonstrated in requested essays and references
- scores of the GRE, with emphasis on verbal and analytic scores

*Though an MSW is preferred, exceptions may be made for students with a BSW from an accredited school of social work and a master's in a related field and for students from countries without accreditation.

Admission to the doctoral program requires completion of all admission requirements and procedures set forth by Graduate Education.

Applications are accepted up to Feb. 1 preceding the fall semester to which the applicant is seeking admission.

All applicants must submit the following materials. All required admission materials are submitted directly to Graduate Education at <http://graduate.asu.edu/> (<http://graduate.asu.edu/>). Contact the School of Social Work at 602-496-0800 if there are questions about the application process.

- a completed online Graduate Education application
- application fee
- official transcripts of all undergraduate and graduate work
- curriculum vita or resume
- GRE test scores
- personal statement*
- proof of English proficiency**
- three letters of reference
- required writing sample: social problem essay
- optional writing sample***

*Guidelines for writing the statement can be found at: <http://ssw.asu.edu/admissions-degrees/phd-folder> (<http://ssw.asu.edu/admissions-degrees/phd-folder>) in "PhD Application and Admission Information."

**International students whose native language is not English must satisfy English proficiency requirements (regardless of where they may now reside).

***Applicants have the option of submitting a sample of their written work. Examples include a referred journal article, a class paper, and a professional report, such as one might write in an agency setting. The writing sample should illustrate your ability to succeed in the doctoral

program.

Students must fulfill both the requirements of Graduate Education and the College of Public Programs.

Contact Information:

Public Programs, College of
School of Social Work
<http://ssw.asu.edu/>
UCENT 800
social.work@asu.edu
602-496-0800

Social Work (Advanced Direct Practice), MSW (PPAPDTMSW)

Online Degree Search Title: Tucson / Downtown Phoenix - Social Work - Advanced Standing - Direct Practice (MSW)

Campus: DTPHX

Program Description:

The professional program leading to the MSW in social work program prepares social workers for advanced direct practice. The program is designed to prepare social workers who are capable of responding effectively to the needs of special populations in the Southwest. This program is located at the Downtown Phoenix campus and in Tucson. It is accredited by the Council on Social Work Education.

Degree Requirements: 39 credit hours and a thesis, or 39 credit hours including the required capstone course (SWG 621).

Students must start the program in summer (beginning with the first summer session) and complete three credit hours in each five-week summer session and three credit hours (a one-credit-hour Bridge Field Seminar and two credit hours of practicum) during the eight-week session, for a total of nine credit hours. The seven credit hours of summer courses are offered in Phoenix only. The summer practicum is available in Tucson. The remainder of the program is completed within two semesters (full time).

Students continue with their practicum during the fall and spring semesters and select one of three specializations: children, youth, and families health; behavioral health; or public child welfare. Not all of these specializations may be offered in Tucson. Students must also complete a capstone course.

Summer Session Course Work

SWG 598 ST: Advanced Standing Bridge Seminar I (3)
SWG 598 ST: Advanced Standing Bridge Seminar II (3)
SWG 598 ST: Bridge Field Seminar (1)
SWG 580 Practicum (2)

The following specialization courses are required:

Children, Youth and Families

SWG 606 Assessment of Mental Disorders (3)
SWG 608 Ecological Approach to Practice with Children, Youth and Families (3)
SWG 619 Practice-Oriented Research (3)
SWG 617 Advanced Social Work Practice with Children and Adolescents (3)
SWG 621 Integrative Seminar
SWG 641 Advanced Practicum: Direct Practice I (3)
SWG 642 Advanced Practicum: Direct Practice II (3)
Electives: Two electives must be from an approved list of electives. (9)

Health, Behavioral Health

SWG 603 Practice in Health/Behavioral Health Settings (3)
SWG 606 Assessment of Mental Disorders (3)
SWG 619 Practice-Oriented Research (3)
SWG 621 Integrative Seminar (3)
SWG 641 Advanced Practicum: Direct Practice I (3)
SWG 642 Advanced Practicum: Direct Practice II (3)

Choose one of the following courses:

SWG 604 Advanced Social Work Practice in Health (3)
SWG 613 Advanced Social Work Practice in Behavioral Health (3)
Electives: Two electives must be from an approved list of electives (9)
Public Child Welfare
SWG 606 Assessment of Mental Disorders (3)

SWG 608 Ecological Approach to Practice with Children, Youth and Families (3)
SWG 609 Advanced Social Work Practice with Child Welfare Families (3)
SWG 619 Practice-Oriented Research (3)
SWG 621 Integrative Seminar (3)
SWG 633 Child Welfare Services (3)
SWG 641 Advanced Practicum: Direct Practice I (3)
SWG 642 Advanced Practicum: Direct Practice II (3)
Electives: Must be approved by the Child Welfare Training Project (6)

Admission Requirements:

Applicants must have a BSW from a Council on Social Work Education-accredited program with at least a 3.20 GPA (on a 4.00 scale) in the last two years of work leading to the BSW (junior and senior GPA). Applicants must have received their BSW no more than six years prior to the date of admission to the MSW program. All applicants are required to have completed a course in human biology and a course in statistics prior to enrollment in the advanced standing program.

Applications to the program are accepted from Nov. 1 to Jan. 2 preceding the summer session to which the applicant is seeking admission. Applicants admitted to the advanced standing program begin classes in the summer.

All applicants must submit the following materials. All required admission materials are submitted directly to Graduate Education at <http://graduate.asu.edu/> (<http://graduate.asu.edu/>). Contact the School of Social Work at 602-496-0800 if there are questions about the application process.

- online Graduate Education application
- application fee
- original transcripts of all undergraduate and graduate work
- three letters of reference*
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals**

*A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's BSW field instructor, or, if employed in a social work-related job for two or more years, a recommendation from the applicant's supervisor.

**Guidelines for writing the statement can be found at <http://ssw.asu.edu/admissions-degrees/msw-folder> (<http://ssw.asu.edu/admissions-degrees/msw-folder>) in "MSW Application Procedures/Materials."

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of the Graduate Education and the College of Public Programs.

Contact Information:

Public Programs, College of
School of Social Work
<http://ssw.asu.edu/>
UCENT 800
social.work@asu.edu
602-496-0800

Social Work (Planning, Administration and Community Practice), MSW (PPCPDTMSW)

Online Degree Search Title: Tucson / Downtown Phoenix - Social Work - Adv Standing-Plan, Admin and Comm Practice (MSW)

Campus: DTPHX

Program Description:

The professional program leading to the MSW prepares social workers for leadership and effective practice in macro social work positions. The curriculum is designed to provide students with knowledge, skill, and practice opportunities in the areas of program planning and evaluation, administration, policy analysis and advocacy, and community practice. The program is designed to prepare social workers to be capable of responding effectively to the needs of special populations in the Southwest. The master's program is accredited by the Council on Social Work Education and is located at the Downtown Phoenix campus and in Tucson. Some of the required courses are only available at the Downtown Phoenix campus.

Degree Requirements: 39 credit hours and a portfolio, or 39 credit hours and a thesis.

Students must start the program in summer (beginning with the first summer session) and complete three credit hours in each six-week summer session.

session and three credit hours (a one-credit-hour Bridge Field Seminar and two credit hours of practicum) during the eight-week session, for a total of nine credit hours. The seven credit hours of summer courses are offered in Phoenix only. The summer practicum is available in Tucson. The remainder of the program is completed within two semesters (full time).

Students continue with their practicum during the fall and spring semesters. The culminating experience is a portfolio or thesis. Some of the required course work in the fall and spring semesters may only be offered in Phoenix.

Summer Session Course Work
SWG 598 ST Advanced Standing Bridge Seminar I (3)

SWG 598 ST Advanced Standing Bridge Seminar II (3)

SWG 598 ST Bridge Field Seminar (1)

SWG 580 Practicum (2) Planning, Administration, and Community Practice (PAC)
SWG 623 Agency and Community-Based Research in Social Work (3)

SWG 632 Social Policy and Services II (3)

SWG 643 Advanced Practicum: Planning, Social Work Administration, and Community Practice I (3)

SWG 644 Advanced Practicum: Planning, Social Work Administration, and Community Practice II (3)

SWG 681 Social Work Administration (3)

SWG 682 Community Participation Strategies (3)

SWG 685 Program Planning in Social Services (3)

Electives (9)

Electives may be selected from offerings at the School of Social Work or courses offered through other departments with the approval of the MSW program coordinator.

Admission Requirements:

Applicants must have a BSW from a Council on Social Work Education-accredited program, with at least a 3.20 GPA (on a 4.00 scale) in the last two years of work leading to the BSW (junior and senior GPA). Applicants must have received their BSW no more than six years prior to the date of admission to the MSW program. All applicants are required to have completed a course in human biology and a course in statistics prior to enrollment in the advanced standing program.

Applications to the program are accepted from Nov. 1 to Jan. 2 preceding the summer session to which the applicant is seeking admission. Applicants admitted to the advanced standing program begin classes in the summer.

All applicants must submit the following materials. All required admission materials are submitted directly to Graduate Education at <http://graduate.asu.edu> (<http://graduate.asu.edu>).

- online Graduate Education application
- application fee
- official transcripts of all undergraduate and graduate work sent to Graduate Education
- three letters of reference*
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals**

*A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's BSW field instructor, or if employed in a social work-related job for two or more years, from the applicant's supervisor.

**Guidelines for writing the statement can be found at <http://ssw.asu.edu/admissions-degrees/msw-folder> (<http://ssw.asu.edu/admissions-degrees/msw-folder>) in "MSW Application Procedures/Materials."

Contact the School of Social Work at 602-496-0800 if there are any questions about the application process.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Social Work
<http://ssw.asu.edu/>
UCENT 800
social.work@asu.edu
602-496-0800

Social Work - Advanced Standing, MSW (PPASWMSW)

Online Degree Search Title: Downtown Phoenix - Social Work - Advanced Generalist (MSW)
Academic Catalog Archive 2014-2015 656

Campus: DTPHX

Program Description:

The professional program leading to the MSW prepares social workers with the knowledge, skills and values to practice as advanced generalists. The program is designed to prepare social workers to be capable of responding effectively to the needs of special populations in the Southwest. The program is accredited by the Council on Social Work Education and is located at the Downtown Phoenix campus.

Degree Requirements: 39 credit hours and an applied project.

Students must start the program in summer (beginning with the first summer session) and complete three credit hours in each summer session, for a total of six hours. The remainder of the program can be completed within two semesters (full time) or four semesters (part time).

Students also complete one internship and an applied project.

Summer Session Course Work

SWG 598 ST: Advanced Standing Bridge Seminar (3)

SWG 598 ST: Advanced Standing Bridge Seminar (3)

Advanced Generalist Course Work

SWG 598 Advanced Social Work Practice and Ethics (3)

SWG 610 Advanced Generalist SW Practice III (3)

SWG 614 Advanced Generalist SW Practice IV (3)

SWG 632 Social Policy/Services II (3)

SWG 645 Professional Experience III (3)

SWG 646 Professional Experience IV (3)

SWG 692 Research (3)

SWG 693 Applied Project (3)

Electives must be from the approved list of electives (6)

Admission Requirements:

Applicants must have a BSW from a Council on Social Work Education-accredited program with at least a 3.00 GPA (on a 4.00 scale) in the last two years of work leading to the BSW (junior and senior GPA). Applicants must have received BSW no more than six years prior to the date of admission to the MSW program. All applicants are required to have completed a course in human biology and a course in statistics prior to enrollment in the program.

Applications are accepted from Nov. 1 to Jan. 2 preceding the summer session in which the applicant is seeking admission. Applicants admitted to the advanced standing program begin classes in the summer.

All applicants must submit the following materials. All required admission materials are submitted directly to Graduate Education at <http://graduate.asu.edu/> (<http://graduate.asu.edu/>). Contact the School of Social Work at 602-496-0800 if there are questions about the application process.

- online Graduate Education application
- application fee
- official transcripts of all undergraduate and graduate work
- three letters of reference*
- professional resume that includes volunteer and paid work experience
- statement of educational and career goals**

*A combination of academic and professional references is desirable. References from friends, family members or personal therapists are not accepted. At least one of the three required references must be from the applicant's BSW field instructor, or, if employed in a social work-related job for two or more years, a recommendation from the applicant's supervisor.

**Guidelines for writing the statement can be found at <http://ssw.asu.edu/admissions-degrees/msw-folder> (<http://ssw.asu.edu/admissions-degrees/msw-folder>) in "MSW Application Procedures/Materials."

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Social Work
<http://ssw.asu.edu>

UCENT 800
social_work@asu.edu
602-496-0800

Sustainable Tourism, MAS (PPSUSTMAS)

Online Degree Search Title: Sustainable Tourism (MAS)

Campus: DTPHX, ONLINE

Program Description:

Students in the MAS in sustainable tourism receive a comprehensive education with a focus on the environmental, economic and social aspects of tourism, equipping them with the skills necessary to create pioneering sustainable development solutions to the challenges facing tourism today. This holistic curriculum focuses on integrating all three pillars of sustainability into existing tourism theories and concepts. The program prepares future sustainable tourism professionals to meet the increasing demand for people trained in sustainability practices and the application of those practices in tourism. The program is offered both online and face-to-face and is offered by the School of Community Resources and Development.

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Tourism Development and Management, BS
- Tourism Development and Management (Resort and Hotel Leadership), BS
- Tourism Development and Management (Sustainable Tourism), BS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

- submission of Graduate Education online application

- minimum of a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited college or university of recognized standing in a related field such as tourism, hospitality, sustainability, environmental studies, business, geography or planning
- minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program
- three letters of recommendation*
- proof of English language proficiency**

*The online application will require three letters of recommendation be included, from current or former employers, current or former faculty members, or others who are familiar with the applicant's scholarly and professional abilities and characteristics. Required are the names, email addresses, titles and organizations from whom the student will be requesting recommendations. The three referees will be emailed a link to complete an online recommendation form.

**A TOEFL is required for applicants whose native language is not English, regardless of where they may now reside, <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>).

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu/>
UCENT 550
scrd@asu.edu
602-496-0550

Sustainable Tourism (certificate), Certificate (PPSTGRCT)

Online Degree Search Title: Sustainable Tourism (Cert)

Campus: ONLINE

Program Description:

The online graduate certificate in sustainable tourism, offered by the School of Community Resources and Development, is intended for professionals who work in or desire to work in the tourism industry. The program addresses the unique character of sustainability and sustainable practices in tourism development and management. Students interested in sustainable tourism management explore the practice of management and development of sustainable tourism businesses and destinations.

Students who complete the 18-credit-hour certificate will have knowledge in topics such as the integration of economic, social and environmental aspects of sustainability as it relates to tourism; conducting sustainability audits for destinations and businesses; community impacts of tourism; and sustainable destination and business planning and management.

The program allows graduates enhanced recognition and credentials in an area experiencing a great deal of interest and growth. Students in the program will be able to further their careers by obtaining advanced education specific to sustainability practices in tourism.

Degree Requirements: 18 credit hours.

Core Required Courses:

TDM 520 Sustainable Thinking in Tourism I (3)
TDM 521 Sustainable Thinking in Tourism II (2)
TDM 570 Sustainable Tourism (3)
TDM 561 Best Practices Workshop Preparation (1 credit-Fall B)
TDM 530 Sustainable Destination Planning and Management I (3)
TDM 531 Sustainable Destination Planning and Management II (2)
TDM 562 Best Practices Workshop Presentation (1)

Electives (choose one):

TDM 540 Sustainable Food Management in Tourism (3)
TDM 550 Managing the Sustainable Tourism Business (3)

Admission Requirements:

All applicants must complete the Graduate Education online application. A bachelor's degree from a regionally accredited college or university recognized by ASU is required, with a minimum of a 3.00 cumulative GPA (scale is 4.00=A) in the last 60 hours of a student's bachelor's degree program.

Two letters of recommendation from current or former employers, current or former faculty members, or others who are familiar with the applicant's scholarly and professional abilities and characteristics, will be submitted through the online application.

TOEFL is required for applicants whose native language is not English (regardless of where they may now reside). Please visit <https://students.asu.edu/graduate/proficiency> (<https://students.asu.edu/graduate/proficiency>) for more information.

Students must fulfill both the requirements of Graduate Education and those of the College of Public Programs.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu/>
UCENT 550
scrd@asu.edu
602-496-1056

Trauma and Bereavement (certificate), Certificate (HSCTBGRCT)

Online Degree Search Title: Trauma and Bereavement (Grad Certificate)

Campus: DTPHX

Program Description:

There is a growing need in society for health care workers and clinicians to be better prepared to help clients and patients experiencing trauma. The School of Social Work graduate certificate in trauma and bereavement will better prepare individuals to work in the field of death and dying, trauma and bereavement in clinical, organizational and administrative settings, enhancing knowledge about grief responses and the effects of trauma, providing opportunities for students to research an often under-explored topic, and helping transform the sociopolitical management of grief, traumatic losses and end-of-life issues in contemporary society.

In addition to tuition and class fees, there is a \$500 one-time program fee.

Degree Requirements: 18 credit hours including the required capstone course (SWG 541/SWG 542/SWG 584/SWG 641/SWG 642/SWG 645/SWG 646/SWG 690/SWG 693).

The certificate requires 15 credit hours of graduate course work and a culminating experience: Research/Applied Project/Internship (3).
Academic Catalog Archive 2014-2015 659

Admission Requirements:

Deadlines: April 1 for summer admission; July 1 for fall admission; Nov. 1 for spring admission

All applicants must submit the online Graduate Education application, official transcripts (if not on file with ASU), and the Graduate Education application fee.

In addition, the following materials are to be submitted to the School of Social Work.

- two- to four-page, doubled-spaced, personal statement (guidelines are listed on the application)
- resume
- School of Social Work certificate application (available on the department website)
- three references, on the forms available on the department webpage

No more than two certificate courses may be completed before applying for admission to the certificate program.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill requirements of both Graduate Education and the College of Public Programs.

Contact Information:

Public Programs, College of
School of Social Work
<http://ssw.asu.edu/>
UCENT 800
social.work@asu.edu
602-496-0800

Sustainability, School of

Complex Adaptive Systems Science (certificate), Certificate (SUCASGRCT)

Online Degree Search Title: Complex Adaptive Systems Science Certificate

Campus: DTPHX, POLY, TEMPE

Program Description:

The complex adaptive systems science graduate certificate trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive system science at Arizona State University and emphasizes the value of a complex adaptive systems perspective to give science better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will be fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines. Students pursuing the certificate will need to have a complex adaptive systems science faculty member on their supervisory committee.

Degree Requirements: 15 credit hours.

core course credit hours (12)

elective course credit hours (3)

Admission Requirements:

All students must be enrolled and in good standing in an ASU doctoral program or be accepted into such a program for incoming students.

Students must complete an application and submit a statement of intent to the complex adaptive system science graduate faculty, accompanied by a copy of their current transcript and a letter of support from an ASU faculty member (for existing ASU students) or other faculty member (for incoming students).

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the School of Sustainability.

Contact Information:

Sustainability, School of
School of Sustainability
<http://schoolofsustainability.asu.edu>
WGHL 108
cass-advising@asu.edu
480-727-6963

Executive Masters for Sustainability Leadership, EMSL (SUEMSLEMSL)

Online Degree Search Title: Executive Masters for Sustainability Leadership (EMSL)

Campus: TEMPE

Program Description:

The Executive Masters for Sustainability Leadership prepares experienced professionals to significantly advance sustainability practices in the workplace by leading institutional and cultural change that drives organizational success and transforms sustainability into the gold standard for best institutional practices. The master's program will equip graduates to lead high-impact transformative results for their companies, organizations, communities and their own careers. The master's program is an accelerated degree program designed directly for the working professional. Master's students will be able to complete the program in about one year through a combination of unique in-person experiences, online course content and a capstone-project. The degree program-which includes focus areas in leadership, strategy, communications and global context-is uniquely powerful because it is backed by the extensive knowledge base of the Global Institute of Sustainability at ASU and its 260+ sustainability scientists and scholars and a host of world-class sustainability and leadership professionals. More information about the program can be found at <http://leadersinsustainability.asu.edu/> (<http://leadersinsustainability.asu.edu/>).

Degree Requirements: 30 credit hours including the required capstone courses (EMS 515 and EMS 516).

core course credit hours: 27

focus area course credit hours: not applicable

elective course credit Hours: not applicable

overall required credit hours: 30Culminating Experience:

Capstone I - EMS 515 (2) and Capstone II - Sustainability Leadership Workshop II - EMS 516 (1)

Admission Requirements:

Degree: Minimum of a bachelor's or master's degree from a regionally accredited college or university.

A wide array of academic backgrounds will be considered in combination with professional and life experience for seasoned professionals applying to the master's program. Students will be required to submit a statement of purpose and, where appropriate given the background experience described, students may be asked to provide a portfolio exemplary of their work.

GPA: Minimum of a 3.00 cumulative GPA (scale is 4.0=A) in the last 60 hours of a student's first bachelor's degree program. Minimum of 3.00 cumulative GPA (scale is 4.0=A) in the applicable master's degree. Applicants must meet minimum Graduate Education admission requirements.

Given that this is an executive masters for experienced professionals, work and life experience may be taken into account in lieu of a higher minimum GPA (academic unit required) or other aspects of past bachelor degree program experience.

Letters of recommendation or sponsorship may be requested as well as other input in various forms and formats from peers, professional colleagues and other relevant and knowledgeable sources.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the School of Sustainability.

Contact Information:

Sustainability, School of
School of Sustainability
<http://leadersinsustainability.asu.edu>
BYOH
Jennifer.L.Griffin@asu.edu
480-965-4797

Global Sustainability Leadership (certificate), Certificate (SUSUSGGRCT)

Online Degree Search Title: Global Sustainability Leadership (Graduate Certificate)

Campus: ONLINE

Program Description:

The graduate certificate in global sustainability leadership will provide training to U.S. Army and Army National Guard leaders (e.g., field-grade officers, senior civilians and state environmental program managers) to enhance their ability to instill and manage sustainable practices throughout the Army and Army National Guard. Courses will emphasize providing leadership across lines of operation and areas of responsibility. The program emphasizes the application of sustainability tools, techniques and concepts to issues on bases and installations in the U.S., Europe and Asia, and to bases in Iraq, Afghanistan or other areas to which the Army may be deployed.

Degree Requirements: 15 credit hours.

Students are expected earn a "B" (3.00) or better in each course. It is also expected that they complete the program in three years, but they can finish the program in one or two years depending on how many courses they take each semester.

Admission Requirements: • An applicant must be a soldier or civilian in the Army or Army National Guard.

- A minimum of a bachelor's (or equivalent) or a graduate degree from a regionally accredited college or university is required.

A minimum of a 3.00 cumulative GPA (4.00="A" scale) in the last 60 hours of a student's bachelor's program is required.

- A resume or curriculum vitae is optional.
- A statement of intent is required (details are noted in the application).

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/certificates/graduate-certificate-sustainability-leadership>)

Contact Information:

Sustainability, School of
School of Sustainability
<http://schoolofsustainability.asu.edu/>
WGHL 108
schoolofsustainability@asu.edu
480-884-1529

Sustainability, MA (SUSUSTMA)

Online Degree Search Title: Sustainability (MA)

Campus: TEMPE

Program Description:

The MA in sustainability is a research-oriented degree that culminates with research writing (either a thesis or a capstone in the form of a publishable, scientific paper). Although the graduate programs emphasize the integration of a broad range of expertise in student training, this master's program is best suited to students inclined toward social sciences, humanities, planning or related fields and interested in a career in research or academia. Students learn how different disciplines view and approach the challenges of sustainability in theory, research and practice. They develop the academic and technical skills as well as the ethical insights that will help them understand, research and provide solutions to complex sustainability challenges at the local, regional, national and global levels. Students can also apply to participate in the Master's International Peace Corps Program, which works in conjunction with this program.

All sustainability graduate students will possess:

- an understanding of the need for an interdisciplinary approach to solving sustainability challenges
- the ability to communicate their work to professionals in other disciplines and to policymakers and the general public
- the breadth of vision to recognize the interconnectedness of social, economic, environmental and technical systems
- the critical thinking skills to approach sustainability challenges from a systems perspective
- the skills needed to work effectively in interdisciplinary teams
- the technical skills to formulate and solve problems at the appropriate scale

Degree Requirements: 40 credit hours and a thesis, or 40 credit hours including a capstone course (SOS 596).

The master's program is divided into the following:

Thesis Option

Core (19 credit hours):

SOS 510 Perspectives on Sustainability
SOS 520 Research Design and Methods for Sustainability
SOS 525 Social-Ecological-Technical Systems: Domains and Interfaces
SOS 589 SOS Community of Graduate Student Scholars
SOS 579 Proposal Writing
SOS 581 Synthesis for Sustainability Research

Electives:

Methods electives (6 credit hours)

Normative dimensions of sustainability elective (3 credit hours)

General electives including but not limited to the following prefixes:

SOS, ASB, ART, PAF, SGS, POS, SOC, PSB, PGS, PHI, COM, CPP, CRD, ESS, PGV, NTR, MCO, GCU, SCM, HPS, HST, JHR, JMC, JUS, LAW, LES, PUP, SBS, RTM, STS, TDM, URB (6 credit hours)

Culminating Experience:

SOS 599 Thesis (6 credit hours)

Capstone Option

Core (19 credit hours)

SOS 510 Perspectives on Sustainability
SOS 520 Research Design and Methods for Sustainability
SOS 525 Social-Ecological-Technical Systems: Domains and Interfaces
SOS 589 SOS Community of Graduate Student Scholars
SOS 579 Proposal Writing
SOS 581 Synthesis for Sustainability Research

Electives:

Methods electives (6 credit hours)

Normative dimensions of sustainability elective (3 credit hours)

General electives (including but not limited to the following prefixes:

SOS, ASB, ART, PAF, SGS, POS, SOC, PSB, PGS, PHI, COM, CPP, CRD, ESS, PGV, NTR, MCO, GCU, SCM, HPS, HST, JHR, JMC, JUS, LAW, LES, PUP, SBS, RTM, STS, TDM, URB - (6 credit hours)

Culminating Experience:

SOS 596 Capstone (Scientific Paper) - (6 credit hours)

Students who are also part of the Master's International Peace Corps Program must complete a Peace Corps assignment abroad, and it is expected that their thesis or capstone scientific paper will be drawn from their experience in the Peace Corps. Students in the program will earn six credit hours toward the master's program requirements. The taught-course element of the program will be evaluated through course-specific examinations, research papers or applied projects and will be considered to have been successfully completed if the student obtains a GPA of 3.25 or higher. Graduate Education policies and procedures for fulfillment of degree requirements must also be met.

Concurrent Degrees:

This degree is also offered as concurrent degree with Urban and Environmental Planning (MUEP)

Admission Requirements:

Applicants must submit an online application. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

The school encourages applicants with diverse educational backgrounds and experience that are relevant to the school's core objectives. In addition to the general requirements for admission to Graduate Education, the school requires:

- a 3.25 GPA in the last 60 credit hours of undergraduate work
- a statement of intent
- GRE scores
- three letters of recommendation
- resume or curriculum vitae

The statement of intent should not exceed 600 words and should:

- Describe how the applicant's background will contribute to success in the program.
- Describe how completion of the degree will support long-term career goals.

- Elaborate on key research questions the applicant wishes to address or problems to solve as part of the program of study.
- Identify potential faculty advisors. Students interested in applying to participate in the Master's International Peace Corps Program will be able to do so after they've been admitted to the master's program.

Students must fulfill both the requirements of Graduate Education and the School of Sustainability.

Contact Information:

Sustainability, School of
 School of Sustainability
<http://schoolofsustainability.asu.edu/>
 WGHL 108
schoolofsustainability@asu.edu
 480-727-6963

Sustainability, MS (SUSUSTMS)

Online Degree Search Title: Sustainability (MS)

Campus: TEMPE

Program Description:

The MS in sustainability is a research oriented degree that culminates with research writing (either a thesis or capstone in the form of a publishable, scientific paper). Although the graduate degree programs emphasize the integration of a broad range of expertise in student training, the MS program is best suited to students inclined toward natural sciences, economics, engineering or related fields and interested in a career in research or academia. Students learn how different disciplines view and approach the challenges of sustainability in theory, research and practice. They develop the academic and technical skills as well as the ethical insights that will help them understand, research and provide solutions to complex sustainability challenges at the local, regional, national and global levels. Students can also apply to participate in the Master's International Peace Corps Program, which works in conjunction with this program.

All sustainability graduate students will possess:

- an understanding of the need for an interdisciplinary approach to solving sustainability challenges
- the ability to communicate their work to professionals in other disciplines and to policymakers and the general public
- the breadth of vision to recognize the interconnectedness of social, economic, environmental and technical systems
- the critical thinking skills to approach sustainability challenges from a systems perspective
- the skills needed to work effectively in interdisciplinary teams
- the technical skills to formulate and solve problems at the appropriate scale

Degree Requirements: 40 credit hours and a thesis, or 40 credit hours including a capstone course (SOS 596).

Each student will formulate a plan of study in consultation with their supervisory committee. The master's program is divided into the following:

Thesis Option

Core (19 credit hours):

SOS 510 Perspectives on Sustainability
 SOS 520 Research Design and Methods for Sustainability
 SOS 525 Social-Ecological-Technical Systems: Domains and Interfaces
 SOS 589 SOS Community of Graduate Student Scholars
 SOS 579 Proposal Writing
 SOS 581 Synthesis: Sustainability ResearchElectives:

Methods electives (6 credit hours)

Normative dimensions of sustainability elective (3 credit hours)

General electives (including but not limited to the following prefixes:

SOS, BIO, ABS, EGR, EDP, ERM, ETM, NPS, GIS, GIT, GLG, NTR, SCM, ANP, LDE, LSC, LTC, PUP, PHS, SEC, STS, URB) - (6 credit hours)

Culminating Experience:

SOS 599 Thesis (6 credit hours)

Capstone Option

Core (19 credit hours):

SOS 510 Perspectives on Sustainability
 SOS 520 Research Design and Methods for Sustainability
 SOS 525 Social-Ecological-Technical Systems: Domains and Interfaces
 SOS 589 SOS Community of Graduate Student Scholars
 SOS 579 Proposal Writing
 SOS 581 Synthesis: Sustainability ResearchElectives:

Methods electives (6 credit hours)

Normative dimensions of sustainability elective (3 credit hours)

General electives (including but not limited to the following prefixes:

SOS, BIO, ABS, EGR, EDP, ERM, ETM, NPS, GIS, GIT, GLG, NTR, SCM, ANP, LDE, LSC, LTC, PUP, PHS, SEC, STS, URB - (6 credit hours)

Culminating Experience:

SOS 596 Capstone (Scientific Paper) - (6 credit hours)

Students who are also part of the Master's International Peace Corps Program must complete a Peace Corps assignment abroad, and it is expected that their thesis or capstone scientific paper will be drawn from their experience in the Peace Corps. Students in the program will earn six credit hours toward the master's program requirements.

The taught-course element of the program will be evaluated through course-specific examinations, research papers or capstone projects and will be considered to have been successfully completed if the student obtains a GPA of 3.25 or higher. Graduate Education policies and procedures for fulfillment of degree requirements must also be met.

Concurrent Degrees:

This degree is also offered as concurrent degree with Urban and Environmental Planning (MUEP)

Admission Requirements:

Applicants must submit an online Graduate Education application.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

The school encourages applicants with diverse educational backgrounds and experience that are relevant to the school's core objectives. In addition to the general requirements for admission to Graduate Education, the school requires:

- a 3.25 GPA in the last 60 credit hours of undergraduate work
- a statement of intent
- GRE scores
- three letters of recommendation
- resume or curriculum vitae

The statement of intent should not exceed 600 words and should:

- Describe how the applicant's background will contribute to success in the program.
- Describe how completion of the degree will support long-term career goals.
- Elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study.
- Identify potential faculty advisors.

Students interested in applying to participate in the Master's International Peace Corps Program will be able to do so after they've been admitted to the master's program.

Students must fulfill both the requirements of Graduate Education and the School of Sustainability.

Contact Information:

Sustainability, School of

School of Sustainability

<http://schoolofsustainability.asu.edu/>

WGHL 108

schoolofsustainability@asu.edu

480-727-6963

Sustainability, PHD (SUSUSTPHD)

Online Degree Search Title: Sustainability (PhD)

Campus: TEMPE

Program Description:

The PhD in sustainability is offered for students who have completed a bachelor's or master's. The doctoral program prepares students to become scientists and leaders in research, to investigate the urgent sustainability challenges of the 21st century. Graduates will possess an advanced understanding of the dynamics of coupled socioecological systems and be able to lead others in research providing adaptive solutions to specific sustainability challenges. The flexible, interdisciplinary nature of the program allows students to focus on problems of interest to them, drawing upon relevant knowledge from a variety of disciplines.

All sustainability graduate students will possess:

- an understanding of the need for an interdisciplinary approach to solving sustainability challenges
- the ability to communicate their work to professionals in other disciplines and to policymakers and the general public
- the breadth of vision to recognize the interconnectedness of social, economic and environmental systems
- the critical thinking skills to approach sustainability challenges from a systems perspective
- the skills needed to work effectively in interdisciplinary teams
- the technical skills to formulate and solve problems at the appropriate scale

In addition to the common learning outcomes, students will be able to:

- conduct research on particular sustainability challenges using standard skills, including the capacity to identify problems; formulate and test hypotheses; use statistical, econometric and geographical information-system techniques to construct and analyze datasets; and build and apply models
- lead others in the analysis and design of the built environment and institutions' policies, regulations and technologies to support sustainable development
- lead others in applying these concepts and methods to the development of sustainable strategies for water, land, air and urban management at the local and global levels
- understand the concepts and methods of a number of critical disciplines bearing on the sustainability of systems at different spatial and temporal scales

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Students may be admitted to the program with a bachelor's or master's from relevant fields. The degree requirement is 84 credit hours of work beyond the bachelor's level. Up to 30 credit hours from a previously awarded master's in a related field can be accepted toward the fulfillment of the doctoral requirements. Each student formulates a plan of study in consultation with his or her supervisory committee. The doctoral program is divided into the following four areas:

- core courses
- applied workshops
- elective courses
- required research and dissertation

Each plan of study must include 24 credit hours of a combination of research and dissertation. The taught-course element of the program will be evaluated through course-specific examinations, and research papers or applied projects and will be considered to have been successfully completed if the student obtains a GPA of 3.25 or higher. Graduate Education policies and procedures for fulfillment of degree requirements must also be met.

Admission Requirements:

Applicants must submit an online Graduate Education application.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

The school encourages applicants with diverse educational backgrounds and experience that are relevant to the school's core objectives.

In addition to the general requirements for admission to Graduate Education, the school requires:

- a 3.25 GPA in the last 60 credit hours of undergraduate work
- a statement of intent*
- GRE scores
- resume or curriculum vitae
- three letters of recommendation

*The statement of intent should not exceed 600 words and should:

- Describe how the applicant's background will contribute to success in the program.
- Explain how completion of the degree will support long-term career goals.
- Elaborate on key research questions the applicant wishes to address or problems to solve as part of the plan of study.
- Identify potential faculty advisors.

Applicants may also be interested in applying to the Integrative Graduate Education and Research Traineeship: Solar Utilization Network (IGERT SUN) program and will have the opportunity to do so through the doctoral application. Information about this additional program can be found at <http://graduate.asu.edu/igert-sun> (<http://graduate.asu.edu/igert-sun>).

Contact Information:

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Sustainability (Complex Adaptive Systems Science), PHD (SUSUSTCPHD)

Online Degree Search Title: Sustainability (Complex Adaptive Systems Science) (PhD)

Campus: TEMPE

Program Description:

The complex adaptive systems science concentration under the PhD in sustainability trains the next generation of scientists in advanced concepts and methods needed for approaching diverse phenomena in the social and life sciences. The program is tightly integrated with diverse, ongoing, university-wide research on complex adaptive systems science at Arizona State University and emphasizes the value of a complex adaptive systems science perspective, to give better insight and a more active role in seeking solutions to a broad array of critical issues facing our society today. Students will be fluent in the common language of complexity while also receiving a solid foundation in the domain knowledge of existing academic disciplines.

The PhD in sustainability is offered for students who have completed a bachelor's or master's. The doctoral program prepares students to become scientists and leaders in research, to investigate the urgent sustainability challenges of the 21st century. Graduates will possess an advanced understanding of the dynamics of coupled socioecological systems and be able to lead others in research providing adaptive solutions to specific sustainability challenges. The flexible, interdisciplinary nature of the program allows students to focus on problems of interest to them, drawing upon relevant knowledge from a variety of disciplines.

All sustainability graduate students will possess:

- an understanding of the need for an interdisciplinary approach to solving sustainability challenges
- the ability to communicate their work to professionals in other disciplines, policymakers and the general public
- the breadth of vision to recognize the interconnectedness of social, economic and environmental systems
- the critical thinking skills to approach sustainability challenges from a systems perspective
- the skills needed to work effectively in interdisciplinary teams
- the technical skills to formulate and solve problems at the appropriate scale

In addition to the common learning outcomes, students will be able to:

- conduct research on particular sustainability challenges using standard skills, including the capacity to identify problems; formulate and test hypotheses; use statistical, econometric and geographical-information-system techniques to construct and analyze datasets; and build and apply models
- lead others in the analysis and design of the built environment and institutions' policies, regulations and technologies to support sustainable development
- lead others in applying these concepts and methods to the development of sustainable strategies for water, land, air and urban management at the local and global levels
- understand the concepts and methods of a number of critical disciplines bearing on the sustainability of systems at different spatial and temporal scales

Students pursuing the concentration will need to have a complex adaptive systems science faculty member as the chair or co-chair of their supervisory committee.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The requirements of the PhD in sustainability must be met. In addition to those requirements, students pursuing the concentration in complex adaptive systems science must fulfill:

approved coursework related to complexity (12)

CASS-related research credit (3)

At least one member of the student's doctoral supervisory committee must be a complex adaptive systems science faculty member, and the dissertation must include complex adaptive systems science approaches.

Admission Requirements:

Applicants must submit an online Graduate Education application.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

The School of Sustainability encourages applicants with diverse educational backgrounds and experience that are relevant to the school's core objectives. Applicants are strongly encouraged to contact potential faculty mentors prior to filling out the application to make sure their area of interest is represented well. In addition to the general requirements for admission to Graduate Education, including those regarding English proficiency, the School of Sustainability requires:

- a 3.25 GPA in the last 60 credit hours of undergraduate work
- a statement of intent*
- GRE scores
- resume or curriculum vitae
- three letters of recommendation

*The statement of intent should not exceed 600 words and should:

- describe the outcomes expected from the program
- elaborate on how the degree will support the student's aspirations and goals
- explain why the student is applying to the School of Sustainability and more specifically, the doctorate program with the complex adaptive systems science concentration
- identify potential faculty advisors and areas of research or study
- outline the student's relevant background information

Although it is not required, applicants are also encouraged to submit a resume or curriculum vitae.

Students must fulfill both the requirements of Graduate Education and those of the School of Sustainability.

Contact Information:

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Sustainable Solutions, MSUS (SUSUSOMSUS)

Online Degree Search Title: Sustainable Solutions (MSUS)

Campus: TEMPE

Program Description:

The MSUS in sustainable solutions is designed to prepare students to apply sustainability principles and approaches to careers in a variety of fields, addressing complex human and environmental challenges. Students will have a knowledge base and skill sets to bring sustainability solutions to corporate, government, and NGO sectors. Beginning with a foundation in sustainability theory and methods, the program allows students to specialize in one of five tracks:

- communication
- international development
- nonprofit organization
- policy and administration
- technology and society

A distinguishing element of the program is the capstone experience, in which students will do an internship, applied project or workshop (in lieu of a thesis) that emphasizes the application of sustainability principles and approaches to their chosen career field. Students will be teaming up with a company, government agency or nongovernmental organization to develop a real-world sustainability solution. This practical experience will position graduates perfectly in today's competitive, knowledge-intensive job market.

Degree Requirements: 33 credit hours including the applied project requirement of (SOS 593), or 33 credit hours including the capstone requirement of (SOS 584) an internship, or 33 credit hours including the capstone requirement of (SOS 594) a workshop.

The curriculum is made up of the following:
foundational and core courses
methods courses
career preparation course
track courses

capstone requirement

Concurrent Degrees:

This degree is also offered as concurrent degree with:

- Legal Studies (MLS)
- Public Administration (MPA) - Downtown Phoenix
- Public Policy (MPP)
- Urban and Environmental Planning (MUEP)

Admission Requirements:

Applicants must submit an online Graduate Education application. Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English language proficiency.

The School of Sustainability encourages applicants with diverse educational backgrounds and experience that are relevant to the school's core objectives. In addition to the general requirements for admission to Graduate Education, the school requires:

- a 3.00 GPA in the last 60 credit hours of undergraduate work
- a statement of intent
- GRE scores
- three letters of recommendation
- resume or curriculum vitae

The statement of intent should not exceed 600 words and should:

- Explain the goals the applicant intends to achieve through the program of study.
- Describe how the applicant's background will contribute to success in the program.
- Explain how completion of the degree will support long-term career goals.
- Elaborate on project ideas the applicant wishes to pursue as part of the program of study.
- Identify potential faculty advisors.

Students are required to fulfill the requirements of both Graduate Education and the School of Sustainability.

Contact Information:

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Teachers College, Mary Lou Fulton

An Overview of Autism Spectrum Disorders (certificate), Certificate (EDSPEGRCA)

Online Degree Search Title: An Overview of Autism Spectrum Disorders (Grad Certificate)

Campus: ONLNE

Program Description:

ASU's graduate certificate in an overview of autism spectrum disorders is ideal for educators, interventionists, psychologists, pathologists, behavior analysts or family members who want to enhance their preparation for working with children and adults affected with autism spectrum disorder.

The online program can benefit those interested in the fields of counseling, social work, speech pathology, various fields of therapy, teaching and program management in any area which provides services to individuals on the autism spectrum.

The graduate certificate can be completed within a two-year period while concurrently pursuing a graduate degree or as a stand-alone certificate. Students interested in sitting for the national Board Certified Behavior Analyst exam should apply for the MEd in curriculum and instruction applied behavior analysis concentration, or as a nondegree-seeking student, depending on interest and need.

Degree Requirements: 15 credit hours.

- SPE 520 Reading and Communication Strategies for Individuals with Autism (3)
- SPE 521 Foundations of Autism Spectrum Disorders (3)
- SPE 531 Methods of Applied Behavior Analysis for Exceptional Populations (3)
- SPE 566 Applied Behavior Analysis in Inclusive Settings (3)

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and those of the Mary Lou Fulton Teachers College.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/certificates/graduate-certificate-autism-spectrum-disorders>)

Contact Information:

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

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602-543-6358

Applied Behavior Analysis (Certificate), Certificate (TEABAGRCT)

Online Degree Search Title: Applied Behavior Analysis

Campus: ONLNE

Program Description:

The graduate certificate in applied behavior analysis pairs research and experience to prepare professionals to provide therapy based on ABA principles to individuals with special learning and behavior needs.

Applied projects and assignments allow students to focus on the population with which they plan to work, while gaining the knowledge and skills to use ABA across various populations and settings. Graduates will be well prepared to provide direct instruction, training, consultative services and support to clients and family members in school, community and home settings.

The program provides preapproved university course work for students interested in sitting for the Board Certified Behavior Analyst certification examination. BCBA certification helps professionals better meet and address diverse behavior needs and make a lasting difference in the community.

Degree Requirements: 18 credit hours.

Required Courses (18 credit hours):

SPE 531 Methods of Applied Behavior Analysis for
Exceptional Populations (3)

SPE 565 Behavior Change Systems (3)

SPE 566 Applied Behavior Analysis in Inclusive
Settings (3)

SPE 567 Basic Concepts and Ethics of Applied
Behavior Analysis (3)

SPE 568 Behavior Assessment (3)

SPE 569 Research Methods in Applied Behavior
Analysis (3)

Electives: None

Culminating Experience: None required

Admission Requirements:

Applicants to this program are required to meet the Graduate Education admission standards and submit the following:

- Graduate Education online admissions application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and those of the Mary Lou Fulton Teachers College.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

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Curriculum and Instruction (Teaching and Learning), MEd (EDDCIMED)

Online Degree Search Title: Teaching and Learning (MED)

Campus: ONLNE

Program Description:

The MEd in curriculum and instruction, teaching and learning concentration, facilitates the development of advanced level professional knowledge, skills and understanding through research and applied experiences. The program provides a customized experience in a content area related to education.

The concentration in teaching and learning is for practitioners across all disciplines and grades. This concentration has three areas of specialization:

- applied behavior analysis
- autism spectrum disorders
- gifted education

Students interested in pursuing a degree in one of the specialization areas listed should apply for the Master of Education in curriculum and instruction with that concentration.

Degree Requirements: 30 credit hours and a written comprehensive exam, or 30 credit hours including the required applied project course (SPE 593 or SPE 597), or 30 credit hours including the required portfolio course (SPE 580).

Students will complete 30 hours in their focus area and a culminating project to be embedded within a course, depending on the specialization.

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program

- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and the Mary Lou Fulton Teachers College.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

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Curriculum and Instruction (Accomplished Teaching), MA (EDACCTCMA)

Online Degree Search Title: Accomplished Teaching (MA)

Campus: TEMPE

Program Description:

The MA in curriculum and instruction, accomplished teaching concentration, is designed for classroom teachers who want to enhance their instructional performance and deepen their understanding of educational theory and practice. Students will improve their understanding of student learning and assessment and develop skills in conducting action research.

Students completing this degree will focus on improving their practice and strengthening their foundation in teaching and research. To enhance their knowledge and skills, students may select from an array of elective courses in educational psychology, educational foundations and subject-specific courses offered online and on campus. Students should consult with a faculty advisor or academic advisor on their selections.

Students who wish to deepen their knowledge of a specific area may select from the following foci:

Special Education:

Choose electives from an array of online courses that focus on autism spectrum disorders or applied behavioral analysis. Students may elect to take the course work that prepares them for the Board Certified Behavior Analyst examination.

Gifted Education:

Online electives are designed to meet the Arizona gifted education, K-12 endorsement.

Educational Technology:

Students may choose from campus-based or online electives that provide the skills and knowledge to develop skills in online instruction or to develop a broader knowledge base of technology uses in education.

English as a Second Language:

Students may choose from online electives that provide the skills and knowledge to work with English Language Learners in a variety of settings.

Early Childhood Education:

Students may choose from online electives that provide the skills and knowledge to work with young children in a variety of settings.

Each degree candidate completes an applied project under the direction of an advisor.

Degree Requirements: 30 credit hours including the required applied project course (DCI 593).

Required core courses (15)

Elective courses (12)
DCI 593 Applied Project (3)

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of the Graduate Education office and the Mary Lou Fulton Teachers College.

Contact Information:

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Curriculum and Instruction (Applied Behavior Analysis), MEd (TEABAMED)

Online Degree Search Title: Curriculum and Instruction (Applied Behavior Analysis)

Campus: ONLNE

Program Description:

The MEd in curriculum and instruction, applied behavior analysis concentration, pairs research and experience to prepare professionals to work with individuals with special learning and behavioral needs using principles of applied behavior analysis.

Program courses are designed to prepare students to focus on the population with whom they plan to work as well as gain knowledge and skills to use ABA across a variety of individuals and settings. All courses are online, combining a range of resources and technologies to provide students the opportunity to interact directly with program faculty and classmates. Our graduates will be well prepared to provide evidence-based practices in ABA and consultative services, and support to clients, community members and family members across a variety of settings.

Teachers College offers university course work preapproved by the Behavior Analyst Certification Board for students interested in sitting for the Board Certified Behavior Analyst examination. BCBA certificants are equipped to meet and address diverse behavior needs and make a lasting difference in the community. The ASU course sequence meeting the BCBA-required 270 classroom hours of graduate-level instruction aligned with the Fourth Edition Task List. BCBA supervision hours, required for certification, are arranged and completed by the student separately from ASU course work. Students interested in only the preapproved university course work for the national BCBA exam may apply as a nondegree seeking student.

Degree Requirements: 30 credit hours including the required capstone course (SPE 597).

This program requires:

required concentration courses (24)
research course (3)
SPE 597 Capstone Project (3)

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and Mary Lou Fulton Teachers College.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

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Curriculum and Instruction (Autism Spectrum Disorders), MEd (TEASDMED)

Online Degree Search Title: Curriculum and Instruction (Autism Spectrum Disorders)

Campus: ONLNE

Program Description:

The MEd in curriculum and instruction, autism spectrum disorders concentration, equips individuals with specialized skills and knowledge to work effectively and compassionately with children and adults affected with autism.

The steady rise in number of those affected by autism has caused a public demand for professionals who are aware of the issues and needs facing these special individuals, their families and service providers. Our graduates will be well prepared to provide important services and care for individuals with any of the autism spectrum disorders, either as educators, interventionists, psychologists, speech pathologists, behavior analysts or family members.

Each student completes a practicum customized to individual interests and abilities. The program culminates with creation of a portfolio that demonstrates analysis and synthesis of material learned in the master's program and evidence of competency in the six Council for Exceptional Children autism standards.

Students interested in sitting for the national Board Certified Behavior Analyst exam should apply to the master's in curriculum and instruction, applied behavior analysis concentration.

Degree Requirements: 30 credit hours including the required capstone course (SPE 597) and a Practicum.

core credit hours (3)

concentration credit hours (18)

elective credit hours (3)

culminating experience: SPE 597 Capstone (3)

SPE 580 Practicum (3)

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and Mary Lou Fulton Teachers College.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the Academic Catalog Archive 2014-2015 674

year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Teachers College, Mary Lou Fulton
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Curriculum and Instruction (Bilingual Education), MA (EDBILINMA)

Online Degree Search Title: Bilingual Education (MA)

Campus: ONLNE, TEMPE

Program Description:

The MA in curriculum and instruction offers students opportunities to develop expertise in contemporary issues, and pedagogical and research methods related to curriculum and instruction. Students also investigate applied and theoretical issues in their area of concentration. This degree may be designed as either a terminal degree or as preparation for doctoral work in curriculum and instruction.

The concentration in bilingual education is designed to provide course work related to bilingual education in U.S. settings (second language acquisition theory, bilingual programs and methods, and bilingual assessment), along with course work in research methods that may be used in the design and implementation of the culminating project. The bilingual education concentration offers advanced course work in research methodology, theory and practice in the area of bilingual education. Candidates for the MA in curriculum and instruction with a concentration in bilingual education must be able to demonstrate proficiency in a language other than English.

Degree Requirements: 30 credit hours and a portfolio, or 30 credit hours and a written comprehensive exam.

Candidates will complete a culminating project under the direction of their advisor. Curriculum and instruction MA students are assigned a faculty advisor at the time of their admission. For students completing a thesis as their culminating project, the advisor will assist in selecting the graduate committee and serve as the chair. The graduate program committee must be formed prior to the student completing 12 hours of credit in the program.

Admission Requirements:

The following are required:

- Graduate Education online application
- letter of intent/statement of purpose
- resume or curriculum vitae
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- transcripts

Additional materials may be required to gain admission into certain programs or cohorts.

Students must meet the requirements of both Graduate Education and the Mary Lou Fulton Teachers College.

Contact Information:

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Curriculum and Instruction (Early Childhood Education), MEd (TEECDMED)

Online Degree Search Title: Early Childhood Education - Certification/Endorsement (MEd)

Campus: ONLNE

Program Description:

The MEd in curriculum and instruction, early childhood education concentration, prepares individuals to meet the educational, social and emotional needs of children from birth through eight years old.

Through online course work, applied activities and in-person clinical experiences, the program equips students with specialized skills and advanced knowledge in early childhood pedagogy, community collaboration, technology, administration, policy analysis and advocacy.

The master's degree is appropriate for students interested in learning about early childhood education research and working with infants and children in grades K-3. This track may be of interest to students who already have a teaching certificate and are interested in furthering their knowledge and skills or pursuing doctoral studies in the future.

Another option is the master's degree with an early childhood education endorsement (birth through age eight or through grade three), which familiarizes students with the most current trends and issues in the field. This track may be of interest to students with an elementary or special education teaching certificate who want to serve children birth through kindergarten.

A third option is the Masters and Arizona Certification in Early Childhood Education program, which provides students with the course work and practical experiences necessary to become licensed to teach children birth through grade three in the public schools. The program provides participants an institutional recommendation for an Arizona Early Childhood Education (birth through age eight or through grade three) certification and the master's degree.

All courses are online, but clinical experiences are completed in person.

Degree Requirements: 30 credit hours including the required applied project course (ECD 593).

Students in this program will complete an applied project within their plan of study as a culminating activity.

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee/li>
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and the Mary Lou Fulton Teachers College.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/graduate/master-education-curriculum-and-instruction-concentration-early-childhood>)

Contact Information:

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Curriculum and Instruction (English as a Second Language), MA (EDES/LMA)

Online Degree Search Title: English as a Second Language (MA)

Campus: ONLINE

Program Description:

The MA in curriculum and instruction, English as a second language concentration, prepares students to teach English language learners in a variety of settings including U.S. schools.

The program caters to professionals with a wide range of roles, including both new and experienced teachers, administrators, policymakers and community workers.

Graduate students will gain strategies for developing ESL skills for reading, writing and listening and for involving community and families as

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partners. They will also leave the program with a historical perspective of English learners in the U.S. and context of past and current policy toward ESL.

The program teaches educators specific skills for assessing English learner proficiency and content area knowledge, knowledge of various program models, and a stronger foundation in supporting ESL students' language acquisition.

All program faculty have worked with English learner students, have a good mix of elementary and secondary level focus and field-tested research strategies, and are advocates for ESL students.

While the program is an excellent choice for teachers seeking to improve their preparation to work with English learners and includes course work supporting the Arizona ESL endorsement for certified teachers, it does not lead to teacher certification. There is no requirement that students entering the program hold a teaching certificate or seek to obtain one.

Note: This degree is not the same as the Master of Teaching English to Speakers of Other Languages that is offered through the English department.

Degree Requirements: 30 credit hours including the required capstone course (BLE 597).

core course work (3)

concentration course work (24)

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency*

GRE scores are not required for admission.

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the Mary Lou Fulton Teachers College.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/graduate/master-arts-curriculum-and-instruction-english-second-language-esl>)

Contact Information:

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<http://education.asu.edu/>

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Curriculum and Instruction (Gifted Education), MEd (TEGEDMED)

Online Degree Search Title: Gifted Education MEd

Campus: ONLINE

Program Description:

The MEd in curriculum and instruction, gifted education concentration, prepares teachers, school administrators, school psychologists, early interventionists and family members to work effectively with gifted children. Students will gain the theory and pedagogy needed to identify and serve gifted children and the knowledge and skills required to develop and provide the most current instructional methods and services for their gifted students.

Graduates will also learn how to create gifted programs based on the needs of their school district and learn how to work with administrations, school boards and parents.

Faculty understand gifted students require differentiated instruction and teaching to develop and reach students' potential. Graduates of the program will learn how to be an advocate in their own schools for gifted students and gain the tools to identify potential and address specific needs

of students that are either talented or gifted.

The program is good for public or private teachers in honors classrooms and those who want to add value to marketability as well as administrators focused on becoming gifted coordinators.

Students who complete the program will be qualified to earn a Gifted Education (K-12) endorsement from the Arizona Department of Education.

Degree Requirements: 30 credit hours including the required capstone course (SPE 597).

core course (3)

concentration course work (21)

elective course work (3)

culminating experience: SPE 597 Capstone Project (3)

overall required credit hours (30)

Admission Requirements:

Applicants to this program are required to meet the Graduate Education admission standards and submit the following:

- Graduate Education online admissions application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and those of the Mary Lou Fulton Teachers College.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

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602-543-6358

Curriculum and Instruction (Literacy Education), MA (EDLANGMA)

Online Degree Search Title: Literacy Education (MA)

Campus: TEMPE

Program Description:

The MA in curriculum and instruction, literacy education concentration provides students the opportunity to investigate applied and theoretical issues in literacy education. Students will study literacy education, including elementary reading and writing, adolescent literacy, children's literature and digital literacy, and they will choose a specialization in literacy education or reading endorsement.

Students may tailor their program to complete course work required for a reading endorsement from the Arizona Department of Education. Each candidate completes a written comprehensive examination in their last semester as the culminating experience for the degree.

Embedded within the courses in this program are four strands of inquiry:

Inclusive education - social justice:

Mary Lou Fulton Teachers College encourages its scholars to pursue teaching and research that will directly impact society in practical and realistic ways. This program will focus on the funds of knowledge, culture, language, literacy abilities and needs of each learner. The program is designed to

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enhance teachers' skills and dispositions for supporting inclusive educational practices and expanding literacies for a diverse and global society.

Technology:

Teachers and students alike need to be prepared to face the impact and challenges technology brings to today's learning environments. In the 21st century, the use of technology to gain access to an expanding knowledge base and as a tool and resource available to teachers and students to broaden their literacy experiences and abilities, is an important component in any educational program. This program will focus on the use of technology in the classroom to enhance learning experiences for students, encourage critical thinking and problem-solving, and as a resource for teaching, assessment and inquiry.

Literacy across the curriculum:

Literacy is the foundation for learning across traditional disciplines. It is a set of skills, strategies and dispositions that provide support for learning across the content areas. This program will focus on reading, writing, speaking, designing and viewing to promote achievement across content areas.

Teacher as reflective practitioner:

Reflective teaching is a conscious, systematic and deliberate process of framing and reframing classroom practice in light of the consequences of the actions, beliefs, expectations and experiences teachers bring to the teaching-learning event. Reflective practice is a stance, a willingness to question the core foundations of one's teaching. In this program, teachers will be supported to inquire into their own instructional approaches, analyze the resources provided for literacy instruction, and critically examine the environments and learning experiences constructed in their classrooms.

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and Mary Lou Fulton Teachers College.

Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
<http://education.asu.edu/>
ED 120
GraduateEducation@asu.edu
602-543-6358

Educational Leadership, MEd (EDSUPVMED)

Online Degree Search Title: Educational Leadership (MEd)

Campus: POLY, WEST

Program Description:

The MEd in educational leadership is designed for aspiring principals or teachers interested in becoming leaders in their schools and districts. Students learn to successfully lead the challenges of curriculum development, interpret and use test results, engage the community and lead other teachers to achieve school goals.

Mary Lou Fulton Teachers College offers options tailored to a student body with diverse experiences and goals.

This page describes the in-person options for the educational leadership program.

The traditional program features hybrid (face-to-face and Web-based) course work taken at an ASU campus including an internship. It is available to students who have a bachelor's degree and at least one year of teaching experience. Students must have access to a school site that will serve

as the laboratory of practice for applying what they learn in the program.

For information on the online concentration in principalship, see the master's program in educational leadership (principalship) (TEPRINMED). Available options under the master's in educational leadership program are designed to prepare teachers to meet Arizona requirements for principal or supervision certification. Students interested in the online program who are seeking certification in a state other than Arizona should contact their state department of education to determine the principal or supervision certification requirements prior to applying.

Degree Requirements: 36 credit hours and a portfolio.

concentration requirements (27)

core requirements (9)

graduation portfolio demonstrating mastery of Interstate School Leaders Licensure Consortium standards

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and the Mary Lou Fulton Teachers College.

Contact Information:

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Educational Leadership & Innovation, Division

<http://education.asu.edu/>

ED 120

GraduateEducation@asu.edu

602-543-6358

Educational Leadership (Principalship), MEd (TEPRINMED)

Online Degree Search Title: Educational Leadership (Principalship) (MEd)

Campus: ONLNE

Program Description:

The MEd in educational leadership is designed for aspiring principals or teachers interested in becoming leaders in their schools and districts. Students learn to successfully lead the challenges of curriculum development, interpret and use test results, engage the community and lead other teachers to achieve school goals.

Mary Lou Fulton Teachers College offers options tailored to a student body with diverse experiences and goals.

This page describes the online principalship concentration option, which is designed for students who want to complete the course work and field experiences required to attain a principalship but take advantage of the college's Internet-based course work. The program is available to students who have a bachelor's degree and at least one year of teaching experience. Students must have access to a school site that will serve as the laboratory of practice for applying what they learn in the program.

For information on the in-person program, see the master's program in educational leadership (EDSUPVMED).

Available options under the master's in educational leadership program are designed to prepare teachers to meet Arizona requirements for principal or supervision certification. Students interested in the online program who are seeking certification in a state other than Arizona should contact their state department of education to determine the principal or supervision certification requirements prior to applying.

Degree Requirements: 36 credit hours and a portfolio.

concentration requirements (27)

core requirements (9)

graduation portfolio demonstrating mastery of Interstate School Leaders Licensure Consortium standards

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

Graduate Education online admission application, including application fee

- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- resume

proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and the Mary Lou Fulton Teachers College.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/graduate/master-education-educational-leadership-principal>)

Contact Information:

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<http://education.asu.edu/>

ED 120

GraduateEducation@asu.edu

602-543-6358

Educational Leadership (Supervision), MEd (TESPRVIMED)

Online Degree Search Title: Educational Leadership (Supervision) (MEd)

Campus: ONLNE

Program Description:

The MEd in educational leadership is designed for aspiring principals or teachers interested in becoming leaders in their schools and districts.

Students learn to successfully lead the challenges of curriculum development, interpret and use test results, engage the community and lead other teachers to achieve school goals.

Mary Lou Fulton Teachers College offers options tailored to a student body with diverse experiences and goals.

This page describes the online supervision concentration (teacher leader) program, which is designed for PreK-12 teachers who want a more defined role in their school district by becoming an Arizona certified supervisor. The program focuses on building important leadership and curriculum skills and allows students to take advantage of the college's Internet-based course work. The program is available to students who have a bachelor's degree and at least one year of teaching experience. Students must have access to a school site that will serve as the laboratory of practice for applying what they learn in the program.

Other options available:

- in-person program, see master's program in educational leadership (EDSUPVMED)
- online concentration in supervision, see master's program in educational leadership (principalship) (TEPRINMED)

Available options under the master's in educational leadership program are designed to prepare teachers to meet Arizona requirements for principal or supervision certification. Students interested in the online program who are seeking certification in a state other than Arizona should contact their state department of education to determine the principal or supervision certification requirements prior to applying.

Degree Requirements: 36 credit hours and a portfolio.

concentration requirements (27)

core requirements (9)

graduation portfolio demonstrating mastery of Interstate School Leaders Licensure Consortium standards

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee

- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and Mary Lou Fulton Teachers College.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/graduate/master-education-educational-administration-supervision-teacher-leadership>)

Contact Information:

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<http://education.asu.edu/>

ED 120

GraduateEducation@asu.edu

602-543-6358

Educational Policy, MA (EDSPFMA)

Online Degree Search Title: Educational Policy

Campus: TEMPE

Program Description:

Students seeking an MA in educational policy have the opportunity to specialize in one of the following areas:

- American Indian education policy
- anthropology of education
- history of education and comparative and international education
- philosophy of education
- sociology of education

Due to the interdisciplinary nature of work in educational policy, students may take course work in related social sciences and the humanities.

The program of graduate studies in educational policy prepares students for:

- K-12 teaching with stronger influence on and understanding of school, district and state education policy. Teachers also gain methodology and theoretical applications that can result in a more successful and critical-thinking pedagogy.
- leadership roles in district and state level curriculum development and the conceptualization of educational programs and reforms
- PhD programs in social science or education, philosophy and history

Degree Requirements: 30 credit hours including an applied project (EPA 593).

A minimum of 30 credit hours of course work, six hours of which are earned for a master's thesis, or its equivalent and a comprehensive examination are required. Graduate Education allows students to substitute other experiences for the thesis. For example, students may prepare publishable research papers and present their findings to their peers and faculty in specially arranged colloquia. The equivalency requirement will be worked out by the student's committee. In addition, courses in social and philosophical foundations, choosing both a concentration and a

cognate discipline (e.g., sociology, anthropology, philosophy) may be appropriate. Additional course work in education is recommended.

Admission Requirements:

All applicants must submit the Graduate Education online application.

To be considered, students must submit the following information to the Graduate Education:

- application fee
- official transcripts
- online application

Students must upload the following documents when applying online:

- professional statement
- resume
- three letters of recommendation (provide email addresses of references)

GRE scores are not required. Application are reviewed as soon as files are complete.

Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and those of the Mary Lou Fulton Teachers College.

Contact Information:

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GraduateEducation@asu.edu
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Educational Policy and Evaluation, PHD (EDLDRSHPHD)

Online Degree Search Title: Educational Policy and Evaluation (PhD)

Campus: TEMPE

Program Description:

The PhD in educational policy and evaluation prepares scholars who teach and conduct rigorous and high-impact research on education policy that advances our collective understanding of preK-20 education.

Doctoral students in the educational policy and evaluation program engage in systematic analyses of education policies in a variety of settings, including schools, universities, research centers, government agencies and nongovernmental organizations.

The program emphasizes intensive training in the theory, methods and practice of education policy research and evaluation and an area of specialization.

Areas of specialization include:

- American Indian education policy and evaluation
- comparative international education
- educational measurement and assessment
- Latino education policy and evaluation
- research and evaluation methods
- sociocultural foundations of education

Educational policy and evaluation students work closely with nationally and internationally recognized faculty members on collaborative and independent research projects that result in policy briefs, reports, scholarly articles and engagement in education policy. The program also provides opportunities for internships in applied settings and varied experiences in scholarly publishing.

Students are expected to engage in the doctoral program full time. Funding packages that include a competitive stipend, tuition remission and health insurance are available. A limited number of additional awards will be available for outstanding candidates. These funding packages can be renewed each year, if students make satisfactory progress, for a total of four years.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

Of the 84 hours required for the degree 54 must be earned at ASU and 24 of the ASU hours must be earned in research or dissertation. The course work includes classes in policy analysis, research methods and an area of specialization.

Students entering the doctoral program with a master's degree in a related discipline may count up to 30 credit hours from the master's degree toward the 84 credits. In addition, a student may use up to 12 additional credit hours toward the doctorate if documentation is provided showing that those credit hours were not part of the master's degree. Students without a master's degree in a related discipline may transfer no more than 12 credit hours toward the degree.

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- official transcripts showing a bachelor's and master's degree conferred from a regionally accredited institution
- email addresses of three professional references*
- personal statement describing the applicant's interests and reason for seeking this degree

GRE scores**

- an academic writing sample
- curriculum vitae
- proof of English proficiency for applicants whose native language is not English (regardless of where they may now reside)

*Referees will be contacted by Graduate Education, with a request to complete a reference questionnaire.

**There is no minimum requirement.

Students must fulfill both the requirements of Graduate Education and Mary Lou Fulton Teachers College.

Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
<http://education.asu.edu/>
ED 120
GraduateEducation@asu.edu
602-543-6358

Educational Technology, MEd (EDTECHMED)

Online Degree Search Title: Educational Technology (MEd)

Campus: TEMPE

Program Description:

The MEd in educational technology emphasizes the design, development, implementation and management of educational technology applications in learning settings.

The program has a strong focus on current and emerging trends and technologies including human performance technology, training, Web-based learning, distance learning, distance education, technology integration, multimedia learning, animated pedagogical agents and interactive learning environments.

Students may choose from one of two specializations designed to meet the needs of the program's main client groups - teachers and instructional designers. Graduates of the program typically are employed as educational technologists in schools, community colleges and universities, or as instructional designers and training specialists in corporate settings.

The program's success is rooted in the accomplishments of its faculty, the placement and achievements of its graduates and the quality of its students.

The college also offers graduate certificates in instructional design and performance improvement and K-12 online teaching. Each certificate program can be completed within a two-year period while pursuing a graduate degree or as a stand-alone certificate.

Degree Requirements: 30 credit hours including the required applied project course (EDT 593).

In consultation with an academic advisor, each student develops a plan of study in one of two tracks: technology for teaching or instructional design and technology.

Required Courses (12):

EDT 501 Foundations and Issues in Educational Technology (3)

EDT 502 Design and Development of Instruction (3)

EDP 540 Theoretical Views of Learning (3)

EDT 593 Applied Project (3)

Specialization Courses (9)

Electives (9)

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- GRE or MAT scores*
- resume
- proof of English proficiency**

*An admissions exam will not be required for applicants with a minimum of three years' experience as a teacher, trainer, or instructional designer. Applicants who do not meet this professional experience requirement must have a score of 500 or above on the verbal section of the Graduate Record Exam (GRE) or a score of 400 or above on the Miller Analogies Test (MAT).

**Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and Mary Lou Fulton Teachers College.

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<http://education.asu.edu/>

ED 120

GraduateEducation@asu.edu

602-543-6358

Educational Technology, PHD (EDTECHPHD)

Online Degree Search Title: Educational Technology (PhD)

Campus: TEMPE

Program Description:

The focus of the PhD program in educational technology is on the design, development and evaluation of instructional systems and on educational technology applications to support learning. The doctoral program emphasizes research using educational technology in applied settings.

The program prepares students for a variety of professional positions. Graduates are typically employed as university faculty, educational technologists or instructional designers in universities, community colleges and schools or as training managers in corporate settings.

Degree Requirements: 84 credit hours, a written comprehensive exam, a prospectus and a dissertation.

The following course work is required for all students in the program:

Required Courses (24 hours)

- EDP 540 Theoretical Views of Learning (3)

- EDP 552 Multiple Regression and Correlation Methods (3)
- EDP 554 Analysis of Variance Methods (3)
- EDT 501 Foundations and Issues in Educational Technology (3)
- EDT 502 Design and Development of Instruction (3)
- EDT 503 Instructional Media Design (3)
- EDT 504 Development of Computer-Based Instruction (3)
- EDT 506 Educational Evaluation (3)
- EDT 701 Research in Educational Technology (3)

Elective Courses (30 hours)

Students select a minimum of 30 credit hours of elective course work in consultation with a faculty advisor or doctoral committee chair.

Practicum Hours (6 and research, below)

Students must earn at least 18 semester hours of credit for practicum courses. Students will complete three different practica while in the program: instructional design (typically EDT 780, 3 credits), teaching (typically EDT 680, 3 credits) and a research practicum.

Research & Dissertation (24 hours)

Admission Requirements:

All applicants must meet Graduate Education admission standards and submit the Graduate Education online application. The online application requires:

- transcript showing conferral of a bachelor's from a regionally accredited institution. A four-year undergraduate GPA of 3.20 or above
- three email addresses for professional recommendations
- a personal statement
- a resume
- GRE scores: scores of 500 or above on the verbal reasoning and quantitative reasoning sections of the GRE; a score of four or above on the analytical writing section of the GRE
- English proficiency: a score of 600 (paper-based) or above on the TOEFL or 100 (Internet-based)

Students must fulfill requirements of both Graduate Education and those of Mary Lou Fulton Teachers College.

Contact Information:

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Educational Leadership & Innovation, Division
<http://education.asu.edu/>
ED 120
GraduateEducation@asu.edu
602-543-6358

Elementary Education, MEd (TEELEMED)

Online Degree Search Title: Elementary Education (General) (MEd)

Campus: ONLNE

Program Description:

The MEd in elementary education with a general specialization is designed to help practicing teachers acquire the knowledge base and skills necessary to develop the most current instructional methods and materials, and to provide them to their students. The program emphasizes practical classroom applications that are based on the latest theory, research and best current practice. A general program is designed with the assistance of a faculty advisor to meet the needs of a student's professional and career goals.

Admission Requirements:

Applications are currently closed.

Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
<http://education.asu.edu/>
ED 120
GraduateEducation@asu.edu

Elementary Education (Teacher Certification Accelerated), MEd (TEEEACLMED)

Online Degree Search Title: Elementary Education (Teacher Certification Accelerated) (MEd)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description:

The MEd in elementary education program offers three options for students to earn a master's degree and Arizona teacher certification: Masters and Arizona Certification, Induction, Masters and Arizona Certification, and iTeachAZ.

This program is for those who already have a bachelor's degree in any field and want to become licensed to teach grades one through eight.

Our elementary education program builds strong connections between theory and practice through quality classroom instruction paired with extensive clinical experiences.

Students gain a strong foundation in teaching and content knowledge from experts in the field of education. Teachers College faculty members actively engage in the educational research community and embed this vital knowledge throughout the program. This connection further empowers our students to engage in their own research through the applied project course work.

A series of clinical experiences or internship placements are designed to assist our students in developing a thorough understanding of teaching and learning as they apply knowledge from their course work in varied school settings. Individualized guidance through our clinical framework provides our students with the support they need to become effective educators.

In the Masters and Arizona Certification program, students take classes at an ASU campus two nights a week and are required to do a field experience internship one day per week for at least two semesters. During the last semester of the MAC program, students complete a full-time student teaching experience.

The Induction, Masters and Arizona Certification program features a partnership with Teach For America, various school districts and charter schools. The InMAC program provides an alternative pathway to teacher certification for full-time teachers on an intern teaching certificate. To qualify, individuals must secure a full-time teaching position. Participants take classes one night per week and must be continuously enrolled in apprentice teaching course work.

In the iTeachAZ program, students take classes and complete all field work in a partner school district. This is a daytime program in which students take classes two to three days per week and complete three days of field experience internships. In their next-to-last semester, students complete a full-time student teaching experience.

Degree Requirements: 33 credit hours including the required applied project course (EED 593).

Students in this program will complete an applied project as part of their plan of study. The applied project is conducted in the student teaching or apprentice teaching school setting.

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency*
- IVP Fingerprint Clearance Card issued by the State of Arizona

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and Mary Lou Fulton Teachers College.

Contact Information:

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<http://education.asu.edu/>

English as a Second Language (Certificate), Certificate (TEESLGRCT)

Online Degree Search Title: English as a Second Language

Campus: ONLINE

Program Description:

The graduate certificate in English-as-a-second-language prepares students to teach English language learners in a variety of settings, including U.S. schools. The program caters to professionals with a wide range of roles, including both new and experienced teachers, administrators, policymakers and community workers. Students of this program will gain strategies to both assist their students in developing ESL skills in reading, writing, and listening, and for involving the community and families as partners.

The program teaches educators specific skills for assessing English learner proficiency and content area knowledge, knowledge of various program models, and a stronger foundation in supporting ESL students' language acquisition. Students will leave the program with a historical perspective of English learners in the U.S. and context of past and current policy towards ESL. The course work in the ESL graduate certificate leads to the ESL endorsement in the State of Arizona.

Degree Requirements: 18 credit hours.

Required Courses (15 credit hours):

BLE 511 Introduction to Language Minority Education (3)
BLE 520 ESL for Children (3)
BLE 522 Literacy/Biliteracy Development (3)
BLE 529 Language Assessment and Evaluation of ESL/BLE Students (3)
BLE 561 Parent Involvement in Language Minority Education Programs (3)

Electives (3 credit hours, choose one):

BLE 535 Sociolinguistic Issues in Bilingual Education (3)
BLE 537 Language Structure Acquisition (3)

Culminating Experience: none

Total required credit hours: 18

Admission Requirements:

Applicants to this program are required to meet the Graduate Education admission standards and submit the following:

- Graduate Education online admissions application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and those of the Mary Lou Fulton Teachers College.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

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Gifted Education (Certificate), Certificate (TEGEDGRCT)

Online Degree Search Title: Gifted Education

Campus: ONLNE

Program Description:

The graduate certificate in gifted education prepares teachers, school administrators, school psychologists, early interventionists, and family members to work effectively with gifted children. The graduate certificate provides students with the theory and pedagogy needed to identify and serve gifted children as well as the knowledge and skills required to develop and provide the most current instructional methods and services for their gifted students.

Graduates will understand how to identify learning potential and address specific needs of gifted and talented students. They will gain an understanding of gifted students' unique affective and academic needs and know how to design and provide appropriately challenging, differentiated curriculum and instruction so that gifted students may develop their full potential. Graduates will know how to develop a continuum of gifted programs and services, work with administrators, teachers, school boards and parents, and be able to advocate for gifted students at local and national levels. The course work in the graduate certificate leads to the gifted education endorsement in the State of Arizona.

Degree Requirements: 15 credit hours.

Required Courses (12 credit hours):

SPE 585 Creativity: Foundations of Research and Development in Gifted Education (3)
SPE 586 Advising the Gifted Learner: Social and Emotional Needs (3)
SPE 587 Special Populations in Gifted Education (3)
SPE 588 The Gifted Learner: Foundations of Identification, Education and Development (3)

Electives (3 credit hours, choose one):

SPE 572 Testing and Measurement in Gifted Education: Methods (3)
SPE 573 Differentiating Instruction for Gifted Learners: Teaching Methods (3)
SPE 589 Teaching the Gifted Learner: Models, Methods and Programs (3)

Culminating Experience: none required

Total required credit hours: 15

Admission Requirements:

Applicants to this program are required to meet the Graduate Education admission standards and submit the following:

- Graduate Education online admissions application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and those of the Mary Lou Fulton Teachers College.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

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602-543-6358

Higher and Postsecondary Education, MEd (EDPOSTMED)

Online Degree Search Title: Higher and Postsecondary Education (MEd)

Campus: DTPHX, TEMPE

Program Description:

The MEd in higher and postsecondary education is designed to facilitate the professional development of those who work in colleges and universities in administrative or support positions.

Through an educational trajectory that parallels that of ASU's New American University, graduates will be prepared to advance the institutional mission of their school and contribute to its success through a broader understanding of current issues and approaches as well as practical experience gained in the program.

The program offers courses that integrate theory to practice through relevant research, models and applied skills.

Some of the course work includes an introduction to higher education, diversity in higher education, student development theory, student affairs administration, leadership in higher education and higher education finance and budgeting.

This 30-credit, 10-course program is offered on a 7.5-week calendar in fall and spring semesters (six weeks in summer). Students may enroll part time or full time.

Each course is offered in a hybrid format with 50 percent of the content delivered face-to-face (weekday evenings) and 50 percent delivered online.

This program culminates with the creation and presentation of an applied project that demonstrates a student's learning and development and is designed to promote this student's career advancement in higher education.

Degree Requirements: 30 credit hours including the required applied project course (HED 593).

The following course work is required for all students in the program:

core requirements (9)
foundation courses (18)
applied project (3)

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and Mary Lou Fulton Teachers College.
Academic Catalog Archive 2014-2015 690

Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
<http://education.asu.edu/>
ED 120
GraduateEducation@asu.edu
602-543-6358

Institutional Research and Policy Analysis (certificate), Certificate (EDINSRESCE)

Online Degree Search Title: Institutional Research and Policy Analysis (Grad Certificate)

Campus: TEMPE

Program Description:

The graduate certificate in institutional research and policy analysis provides participants with the training and skills in education policy and applied data analysis that will allow them to critically assess education programs and policies and engage in data-driven decision-making. The certificate consists of five courses in which students will analyze data from real-world settings.

Degree Requirements: 15 credit hours.

Required Courses (15 hours):

EPA 532 Becoming an Informed Consumer of Education Research (3)

EPA 555 Translating Research for Educational Change (3)

EPA 556 Data Analysis for Education Decision Makers (3)

EPA 559 Systematic Inquiry for Problem Solving (3)

EPA 565 Critical Topics in Education Policy (3)

Admission Requirements:

Applicants to this program are required to meet the Graduate Education admission standards and submit the following:

- Graduate Education online admissions application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and those of the Mary Lou Fulton Teachers College.

Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
Education.asu.edu
ED 120
GraduateEducation@asu.edu
602-543-6358

Instructional Design and Performance Improvement (certificate), Certificate (EDEDTGRCT)

Online Degree Search Title: Instructional Design and Performance Improvement (Graduate Certificate)

Campus: TEMPE

Program Description:

Mary Lou Fulton Teachers College offers a graduate certificate in instructional design and performance improvement that focuses on how to facilitate learning and improve performance in a variety of settings.

The certificate program focuses on design and development of instruction, instructional media design, development of computer-based instruction and trends in performance improvement.

Students can concurrently pursue the graduate certificate while enrolled in other graduate programs at ASU.

The graduate certificate includes a specific series of courses that will help a student achieve professional growth.

Degree Requirements: 15 credit hours including the required capstone course (EDT 504).

EDT 501 Foundations & Issues in Educational Technology (3)

EDT 502 Design and Development of Instruction (3)

EDT 503 Instructional Media Design (3)

EDT 504 Development of Computer-Based Instruction (3)

EDT 507 Trends in Performance Improvement (3)

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English language proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and those of Mary Lou Fulton Teachers College.

Contact Information:

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<http://education.asu.edu/>

ED 120

GraduateEducation@asu.edu

602-543-6358

Leadership and Innovation, EdD (TELINEDD)

Online Degree Search Title: Leadership and Innovation

Campus: DTPHX, WEST

Program Description:

The EDD in leadership and innovation is designed for practicing educator-leaders who want to transform and better their practice, and create better learning opportunities for students of all ages in a range of settings.

The focus of the 60-credit program is research in action. Students conduct multiple cycles of action research throughout the program and learn by doing research within their own workplace.

Students in the program begin as accomplished teachers, teacher leaders, principals and superintendents, or higher education professionals, and develop into edupreneurs. Through course work, they deepen their abilities to lead change and implement innovation in their local educational organizations. The program is not designed to prepare students for academic tenure-track positions.

The three-year cohort-based program begins in summer with an introduction to doctoral studies course and the formation of a professional learning community that draws on the strengths of all group members. Students take seven more required courses, as well as five elective courses over the next two years.

Required courses are team-taught by faculty and task students with conducting research in their workplace, which lays the foundation for the culminating project: the action research dissertation.

Leader-scholar communities, formed at the end of the first year and consisting of five to seven students and two faculty members, meet regularly for the second and third years of the program to supply academic and personal support. Students register for required research and dissertation hours as part of the LSC requirement.

Through these LSCs, students support each other, under faculty guidance, in the conceptualization, implementation and study of change initiatives. Students share their research at the end of each semester through roundtables, posters and symposia in a public research day.

Successful graduates have made a commitment to continuing systematic study of their professional practice and to make a positive difference in their local workplaces by putting their research into action. The program aims to enable more thoughtful, intentional and informed leaders, willing and able to implement and study change.

The program will make a difference in the way a student thinks and works as a leader in education, for the immediate and local benefit of school children, adult learners, the student's school or organization, the community and the world.

Degree Requirements: 90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

professional core (15)

research core (9)

advanced professional studies (15)

directed field-based study (3)

participation in leader scholar communities (6)

dissertation (12)

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- official transcripts showing a bachelor's and master's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- an academic writing sample
- curriculum vitae
- proof of English proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and Mary Lou Fulton Teachers College.

Contact Information:

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<http://education.asu.edu/>

ED 120

GraduateEducation@asu.edu

602-543-6358

Leadership and Innovation (Policy and Administration), EdD (TEINNPAAEDD)

Online Degree Search Title: Educational Leadership and Innovation (Policy/Admin) (EdD)

Campus: WEST

Program Description:

The EdD in leadership and innovation program is designed for practicing educator-leaders who want to participate in creating better learning opportunities for students of all ages in a range of settings with the ultimate goal of transforming the practice of education.

The focus of the program is research in action. Students conduct multiple studies throughout the program to learn by doing and to influence change based on scholarship applied in their workplace.

Students in the program begin as accomplished teachers, teacher leaders, principals and superintendents, and "edupreneurs" or higher education professionals. Through their learning, they deepen their abilities to lead and innovate in educational organizations. The program is not designed to prepare students for academic tenure-track positions.

The cohort-based program begins in summer with an introduction to doctoral studies and the formation of a professional learning community that

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draws on the strengths of all group members.

Required courses are team-taught by faculty and require students to conduct research in their workplace, laying the foundation for the culminating project: the action research study documented in the dissertation.

Leader-Scholar Communities, formed at the end of the first year and consisting of five to seven students and two faculty members, meet regularly for the second and third years of the program. Students register for required research and dissertation hours as part of the LSC requirement.

Through these LSCs, students support each other, under faculty guidance, in the conceptualization, implementation and study of change initiatives. Students share their research at the end of each semester through roundtables, posters and symposia in a public research day.

Successful graduates have made a commitment to continuing systematic study of their professional practice and make a positive difference in their local workplaces putting their research in action. The program aims to enable more thoughtful, intentional and informed leaders, willing and able to implement and study change.

The program will make a difference in the way a student thinks and works as a leader in education, for the immediate and local benefit of school children, adult learners, the student's school or organization, the community and the world.

Degree Requirements: 90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation (including a Master's degree and 60 credit hours post-Masters).

professional core (15)

research core (9)

advanced professional studies (15)

directed field-based study (3)

participation in leader scholar communities (6)

dissertation (12)

Admission Requirements:

The concentration in policy and administration under the EdD in leadership and innovation is no longer accepting applications. Applicants should apply to the EdD in leadership and innovation rather than a specific concentration.

Contact Information:

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<http://education.asu.edu/>

ED 120

GraduateEducation@asu.edu

602-543-6358

Leadership and Innovation (Teaching), EdD (TEINTEEDD)

Online Degree Search Title: Educational Leadership and Innovation (Teaching) (EdD)

Campus: WEST

Program Description:

The EdD in leadership and innovation program is designed for practicing educator-leaders who want to participate in creating better learning opportunities for students of all ages in a range of settings with the ultimate goal of transforming the practice of education.

The focus of the program is research in action. Students conduct multiple studies throughout the program to learn by doing and to influence change based on scholarship applied in their workplace.

Students in the program begin as accomplished teachers, teacher leaders, principals and superintendents, and edupreneurs or higher education professionals. Through their learning, they deepen their abilities to lead and innovate in educational organizations. The program is not designed to prepare students for academic tenure-track positions.

The cohort-based program begins in summer with an introduction to doctoral studies and the formation of a professional learning community that draws on the strengths of all group members.

Required courses are team-taught by faculty and require students to conduct research in their workplace, laying the foundation for the culminating project: the action research study documented in the dissertation.

Leader-Scholar Communities, formed at the end of the first year and consisting of five to seven students and two faculty members, meet regularly for the second and third years of the program. Students register for required research and dissertation hours as part of the LSC requirement.

Through these LSCs, students support each other, under faculty guidance, in the conceptualization, implementation and study of change initiatives. Students share their research at the end of each semester through roundtables, posters and symposia in a public Research Day.

Successful graduates have made a commitment to continuing systematic study of their professional practice and make a positive difference in their local workplaces putting their research in action. The program aims to enable more thoughtful, intentional and informed leaders, willing and able to implement and study change.

The program will make a difference in the way a student thinks and works as a leader in education, for the immediate and local benefit of school children, adult learners, the student's school or organization, the community and the world.

Degree Requirements: 90 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation (including a Master's degree and 60 credit hours post-Masters).

professional core (15)

research core (9)

advanced professional studies (15)

directed field-based study (3)

participation in leader scholar communities (6)

dissertation (12)

Admission Requirements:

The concentration in leadership of teaching innovation under the EdD in leadership and innovation is no longer accepting applications. Applicants should apply to the EdD in leadership and innovation rather than a specific concentration.

Contact Information:

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<http://education.asu.edu/>

ED 120

GraduateEducation@asu.edu

602-543-6358

Learning, Literacies and Technologies, PHD (EDCIPHD)

Online Degree Search Title: Learning, Literacies and Technologies (PhD)

Campus: TEMPE

Program Description:

The PhD in learning, literacies and technologies is designed to prepare scholars who will address socially significant educational programs and transform PreK-20 educational programs through rigorous research and educational interventions. Graduates rely on interdisciplinary theoretical and methodological perspectives to engage, influence and transform educational institutions and their practices.

The program graduates educational researchers who serve as scholars, leaders and teacher educators engaged in the design, development and use of literacies and technologies that promote learning. Graduates are stewards of their educational field, working across disciplinary boundaries to address the learning challenges of the new millennium.

Students will begin researching during their first semester and continue throughout the four-year program. An interdisciplinary team of scholars led by distinguished faculty members will collaborate with doctoral students, individually and in teams, to design powerful studies, implement them in authentic settings, collect and analyze data, write research reports, and present and publish the results.

Academic study and research in the learning, literacies and technologies program focuses on the nature of human learning and literacies across diverse learners and contexts, the use of technologies to support learning, the design of learning environments, and the conditions under which learning occurs.

As a future scholar, teacher educator or researcher, the student will develop areas of emphasis with their faculty advisor and doctoral committee members to work at the cutting edges of educational science, leading the way to innovation and exploration of new technologies and literacies for learning.

Students are expected to engage in the doctoral program on a full-time basis. Funding packages that include a competitive stipend, tuition remission and health insurance are available. A limited number of additional awards will be available for outstanding candidates. These funding packages can be renewed each year, if students make satisfactory progress, for a total of four years.

Degree Requirements: 85 credit hours, a written comprehensive exam, an oral comprehensive exam, a prospectus and a dissertation.

core courses (13)

specialization courses (12)

elective or research courses (12)

dissertation (12)

research (3)

internship (3)

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- GRE scores*
- official transcripts showing a bachelor's and master's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- an academic writing sample
- curriculum vitae
- proof of English proficiency**

*There is no minimum requirement.

**Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

Students must fulfill both the requirements of Graduate Education and the Mary Lou Fulton Teachers College.

Contact Information:

Teachers College, Mary Lou Fulton

Educational Leadership & Innovation, Division

<http://education.asu.edu/>

ED 120

GraduateEducation@asu.edu

602-543-6358

Online Teaching for Grades K-12 (certificate), Certificate (TEEDTGRCT)

Online Degree Search Title: Online Teaching for Grades K-12 (Grad Certificate)

Campus: ONLNE, TEMPE

Program Description:

The online teaching for grades K-12 graduate certificate program prepares students to teach in an online environment and become leaders in the development, implementation and evaluation of online programs.

The program consists of online courses that prepare K-12 educators for online teaching in technological, pedagogical and content-related areas.

Graduates will be better able to help students understand how various topics within a subject area are effectively represented using technology and pedagogical strategies required to teach these concepts online.

This is accomplished through offering course work that addresses all three domains along with field experience opportunities. Through these experiences, students would be prepared to teach in online and blended educational environments.

The graduate certificate in online teaching for grades K-12 is open to all ASU graduate students irrespective of their major. Students can be enrolled in the graduate certificate and the Master of Education in educational technology or just the graduate certificate.

The graduate certificate program can be completed within a two-year period along with a graduate degree or as a stand-alone certificate.

Degree Requirements: 15 credit hours including the required capstone course (EDT 580).

The certificate requires five courses, each consisting of three credit hours. The culminating experience for this certificate program is an electronic portfolio that will be completed in EDT 580.

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English language proficiency*

*Applicants whose native language is not English (regardless of where they may now reside) must provide proof of English proficiency.

GRE scores are not required for admission.

Applicants should have at least one year of K-12 classroom teaching experience and should be able to function successfully in an online environment.

Students must fulfill both the requirements of Graduate Education and those of the Mary Lou Fulton Teachers College.

Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
<http://education.asu.edu/>
ED 120
GraduateEducation@asu.edu
602-543-6358

Physical Education, MPE (ECPHYEDMPE)

Online Degree Search Title: Physical Education - Polytechnic Campus (MPE)

Campus: POLY

Program Description:

The MPE program produces graduates who have current knowledge of curriculum, instructional practices, and administrative procedures in physical education and sport. Emphasis is placed on improving instructional effectiveness and developing quality sport and physical education programs in school settings. The program has routes for those with a teaching certificate in physical education who wish to advance their skills and knowledge as well as for those with a teaching certificate in a different subject matter who are interested in a K-12 physical education endorsement.

Degree Requirements: 33 credit hours including the required applied project course (PPE 593) and a written comprehensive exam.

The degree has three tracks.

Physical Education K-12 teaching track:

core studies (24)
electives (6)
applied project (3)

Physical Education pedagogy research track:

core studies (24)
electives (6)
applied project (3)

Physical Education Initial Teacher Certification track:

core studies (24)
electives (6)
applied project (3)
additional courses for certification

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- a personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency for applicants whose native language is not English (regardless of where they may now reside)

- IVP Fingerprint Clearance Card issued by the State of Arizona

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and Mary Lou Fulton Teachers College.

Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
<http://education.asu.edu/>
SANCA 331
GraduateEducation@asu.edu
480-727-1103

Secondary Education (Educational Technology), MEd (TESEDTCMED)

Online Degree Search Title: Secondary Ed (ED Technology) (MEd)

Campus: ONLNE, WEST

Program Description:

The MEd in secondary education with a concentration in educational technology is designed to help practicing teachers acquire the knowledge base and skills necessary to develop the most current instructional methods and materials and provide them to their students.

Admission Requirements:

Applications are currently closed.

Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
<http://education.asu.edu/>
ED 120
GraduateEducation@asu.edu
602-543-6358

Secondary Education (Teacher Certification), MEd (TESCERTMED)

Online Degree Search Title: Secondary Education (Teacher Certification) (MEd)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description:

The MEd in secondary education with teacher certification is a specialization designed for those individuals with a bachelor's who want to earn a master's along with Arizona secondary education certification in grades 7-12, in a specific subject area. Students also receive a structured English immersion endorsement. Students may choose one of the following delivery modes for which they qualify:

- Intern, Masters and Arizona Certification available to only those students who hold a state intern teacher certificate and are employed as teacher of record in a district, charter or private school (alternative pathways to certification).
- Masters and Arizona Certification consisting of campus-based courses delivered in two academic semesters (evening) along with day time field experience, one summer and one additional academic semester of student teaching.
- TEAMS, an intensive accelerated program for math or science certification with year-long student teaching requirement.

Degree Requirements: 33 credit hours including the required applied project course (SED 593).

The MEd in secondary education requires an applied project, which is included in the student's plan of study and must be completed during student teaching or apprentice teaching.

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program

- personal statement describing the applicant's interests and reason for seeking this degree
- resume

proof of English proficiency for applicants whose native language is not English (regardless of where they may now reside)

- IVP Fingerprint Clearance Card issued by the State of Arizona

GRE scores are not required for admission.

Students must fulfill both the requirements of Graduate Education and the Mary Lou Fulton Teachers College.

Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
<http://education.asu.edu/>
ED 120
GraduateEducation@asu.edu
602-543-6358

Special Education (Teacher Certification), MEd (TESECRTMED)

Online Degree Search Title: Special Education (Teacher Certification) (MEd)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description:

The MEd in special education with Arizona teacher certification is a specialization designed for those individuals with a bachelor's who want to earn a master's along with Arizona certification in K-12 special education (cross-categorical). Students also receive a structured English immersion endorsement. Students may choose one the following delivery modes for which they qualify:

- Induction, Masters and Arizona Certification available to only those students who hold a state intern teacher certificate and are employed as teacher of record in a district, charter or private school (alternative pathways to certification).
- Masters and Arizona Certification consisting of campus-based courses delivered in two academic semesters (evening) along with day time field experience, one summer and one additional academic semester of student teaching. Students in this program will also receive a dual Arizona certification in elementary education.

Degree Requirements: 33 credit hours including the required applied project course (SPE 593).

Students must complete 33 credit hours and an applied project. The applied project is completed during the student teaching or apprentice teaching experience.

Admission Requirements:

Applicants to this program are required to meet Graduate Education admission standards and submit the following:

- Graduate Education online admission application, including application fee
- official transcripts showing a bachelor's degree conferred from a regionally accredited institution
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program
- personal statement describing the applicant's interests and reason for seeking this degree
- resume
- proof of English proficiency for applicants whose native language is not English (regardless of where they may now reside)
- IVP Fingerprint Clearance Card issued by the State of Arizona

GRE scores are not required for admission.

Students must fulfill the requirements of both Graduate Education and Mary Lou Fulton Teachers College.

Contact Information:

Teachers College, Mary Lou Fulton
Educational Leadership & Innovation, Division
<http://education.asu.edu/>
ED 120
GraduateEducation@asu.edu
602-543-6358

Technology for Teaching and Learning (certificate), Certificate (EDEDTTGRCT)

Online Degree Search Title: Technology for Teaching and Learning (Grad Certificate)

Campus: TEMPE

Program Description:

The graduate certificate in technology for teaching and learning is geared toward classroom teachers who want to become skilled at integrating technology in the curriculum. Students will acquire the knowledge and skills needed to meet the National Education Technology Standards for Teachers, developed by the International Society for Technology in Education and being adopted by the National Council for Accreditation for Teacher Education. All courses will be offered online and face-to-face. The certificate program can be completed within a two-year period.

The program is not accepting applications.

Degree Requirements: 15 credit hours including the required capstone course (EDT 591).

Students must successfully complete four out of a possible six educational technology courses before completing a three-credit required capstone course.

Admission Requirements:

Applications are currently closed.

Contact Information:

Teachers College, Mary Lou Fulton
Dean, Mary Lou Fulton Teachers College
<http://education.asu.edu/>
ED 120
GraduateEducation@asu.edu
602-543-6358

Undergraduate Programs

Minors (Program Descriptions and Requirements)

African and African American Studies Minor (LAAFRMIN)

Campus: TEMPE

Description:

The minor program examines the culture, arts, history, politics, economics and current status of African Americans, Africans and the African Diaspora, especially in the Caribbean, Central America and South America. The goal is to prepare students for lifelong learning, advanced study in a variety of fields and successful careers and productive public service in an increasingly diverse society, especially in Arizona.

Program Requirements:

Students will be required to complete 18 credit hours. Six credits will be prescribed core and the remaining 12 elective credit hours will be selected from the program prefix:

Required Core Course:

AFR 200 Introduction to African and African Diaspora Studies, SB, G, H (3)

Elective Core Course (3): (select one course)

AFR 300 Precolonial Africa, SB, G, H (3)

AFR 301 Race and Racism in Africa/African Diaspora, SB, C (3)

AFR 302 History of Black Women in America (3)

AFR 305 The Global History of the Trans-Atlantic Slave Trade, SB, H (3)

Elective Courses:

The remaining 12 hours will be completed by selecting courses not taken to fulfill the six required hours and will be selected from the program prefix: AFR.

At least 12 of the 18 credit hours must be upper-division courses (300 or higher). All courses must have a "C" (2.00) grade or higher. No course may be used to satisfy more than one requirement in the minor.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of

School of Social Transformation

<http://sst.clas.asu.edu/african-and-african-american-studies>

WILSN 125

SST@asu.edu

480-965-7682

American Indian Studies Minor (LAAISMIN)

Campus: TEMPE

Description:

The minor in American Indian studies is designed for students interested in developing an understanding of American Indian issues and analyzing issues through critical inquiry.

Program Requirements:

Eighteen credit hours are required.

Required courses:

AIS 180 Introduction to American Indian Studies, C (3)

AIS 285 Federal Indian Policy, H, C (3)

AIS 380 Contemporary Issues of American Indian Nations, C (3)

three additional upper-division AIS courses

No pass/fail or credit/noncredit course work may be applied to the minor. A minimum of nine hours must be in-resident credit from the College of Liberal Arts and Sciences. Students must receive a minimum grade of "C" (2.00 on a scale of 4.00) for all courses in the minor and meet all course eligibility requirements.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of

American Indian Studies Program

<http://americanindian.clas.asu.edu/>

DISCOVERY 356

AIS@asu.edu

480-727-7056

American Studies Minor (ASAMSMIN)

Campus: WEST

Description:

The American studies minor offers students the opportunity to pursue an interest in the interdisciplinary study of American culture. This interdisciplinary minor is particularly appropriate for students majoring in one of the humanities or social sciences disciplines.

Program Requirements:

The American studies minor consists of 18 credit hours, 12 of which must be upper-division (300 or 400 level).

The following courses are required:

AMS 201 American Style, L (3)

AMS 330 Documenting American Lives, HU, C (3)

HRC 310 Social and Cultural Studies: Method and Theory (3)

choose one from the following:

HST 109 United States to 1865, HU or SB, H (3) OR

HST 110 United States Since 1865, SB, H (3)

Supporting Courses:

Two courses with substantial American content that must be approved by the American studies advisor. (6)

Enrollment Requirements:

Students wishing to pursue the American studies minor should consult an academic advisor in the unit offering that minor to ensure the appropriate

set of courses is taken. The student should also consult an academic advisor in the college, division or department of his or her major to ensure the minor is recognized and to have the minor added to the program of study.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/minors/american-studies-courses>
FAB N201
harcs.dept@asu.edu
602-543-4444

Anthropology Minor (LAASBMIN)

Campus: TEMPE

Description:

The minor in anthropology provides students with a great deal of flexibility in selecting courses. The program has been designed to allow students to focus on areas within the discipline that articulate well with their major. All students interested in the anthropology minor are encouraged to discuss the options available with a School of Human Evolution and Social Change undergraduate advisor.

Program Requirements:

The anthropology minor requires a minimum of 18 credit hours.

Required introductory courses (choose 2):

ASB 102 Introduction to Sociocultural Anthropology (3)

ASM 104 Bones, Stones and Human Evolution (4)

ASB 222 Buried Cities and Lost Tribes or ASB 223 Buried Civilizations of the Americas (3)

However, the particular introductory courses selected may limit the anthropology courses available in the upper-division.

Twelve credit hours must be upper-division and represent at least two of the three subfields of anthropology.

The three subfields are:

- archaeology
- physical anthropology
- sociocultural anthropology (with linguistics)

The courses chosen to represent two of the three subfields must be drawn from the distribution requirements of those two subfields.

A minimum grade of "C" (2.00 on a scale of 4.00) is required for all courses taken for the minor in anthropology.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/undergraduate/minor-or-bis-concentration-anthropology>
Academic Catalog Archive 2014-2015 703

Applied Biological Sciences Minor (TSABSMIN)

Campus: POLY

Description:

Applied biological sciences offers rigorous and practical programs in applications of the biological sciences. Consistent with a polytechnic vision, this minor involves extensive student interaction with faculty through experience-based learning activities, including:

- faculty-guided research and service-learning projects
- field trips
- internships
- laboratories

Mastery of fundamental biological principles is emphasized through quality learning in the classroom and hands-on activities in laboratories and in outdoor settings that include the Sonoran Desert, surrounding ecosystems and the landscape of the greater Phoenix area.

Program Requirements:

The applied biological sciences minor consists of 23 credit hours, including:

BIO 181 General Biology I, SQ (4)

BIO 182 General Biology II, SG (4)

At least 15 hours must be selected with the approval of an advisor.

At least nine hours must be in upper-division courses offered by the applied biological sciences program.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<https://sls.asu.edu/>
WANER 101
sls@asu.edu
480-727-1526

Applied Psychology Minor (ECPSYMIN)

Campus: POLY

Description:

Americans spend more than 54 percent of their waking hours at work. As a result, students who want to make a real impact on peoples' lives are beginning to use industrial and organizational psychology to focus on the psychology of work. Industrial and organizational psychology helps employers identify the right job candidates to hire, determine the best job fit for each worker, and design enjoyable and effective workplaces, taking into account work-life balance. Finally, one specialty, human factors, focuses on designing tools and products that are easy to use and that reduce human error.

In addition to strong education in human learning, memory, emotion, judgment, social psychology, which prepare students for employment or graduate school, students can choose to focus in two of the following five focus areas:

- consumer psychology
- human resources and organizational behavior
- learning technology
- preclinical and counseling
- user experience

Program Requirements:

This minor in applied psychology consists of 22 credit hours, including at least 12 upper-division courses. The following are required courses that must be completed with a grade of "C" (2.00) or higher:

Required Courses:

PSY 101 Introduction to Psychology, SB (3)

PSY 230 Introduction to Statistics, CS (3)

PSY 290 Research Methods, L/SG (4)

PSY 437 Human Factors, L (3) or PSY 438 Human-Computer Interaction (3) or PSY 440 Industrial/Organizational Psychology (3)

Electives:

Additional hours of upper-division PSY or PGS courses (9)

A maximum of three credit hours from PSY 399, PSY 499 or PSY 492 may be used toward the minor requirements.

A minimum of three classes, including two at the upper-division level, must be taken in residence at ASU.

Enrollment Requirements:

Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Engineering, Ira A. Fulton Schools of

Human Systems Engineering

<http://innovation.asu.edu>

TECH 101

technology@asu.edu

480-727-1874

Arabic Studies Minor (LAARBMIN)

Campus: TEMPE

Description:

The minor in Arabic studies provides students with instruction in Modern Standard Arabic as well as Arabic culture and literature. Students who successfully complete the prescribed course work of the Arabic minor are expected to be able to communicate effectively in Arabic and interact with native speakers of Arabic.

Students will be able to communicate in Arabic in the other two areas of language acquisition: reading and writing through reading authentic material in Arabic and writing paragraphs in Modern Standard Arabic.

Literature courses expand students' knowledge in Arabic, Middle East and Islamic culture and civilization. Students of all academic disciplines doing research or seeking employment in areas related to the Middle East or parts of the Arab world will find the minor in Arabic highly beneficial.

Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience. Go to <https://international.clas.asu.edu/studyabroad> (<https://international.clas.asu.edu/studyabroad>) for more information.

Program Requirements:

The minor in Arabic studies requires 26 credit hours of courses detailed below. A minimum grade of "C" (2.00) or better is required in each course.

Required Courses:

ARB 201 and ARB 202 Intermediate Arabic I and II, G (8)

ARB 311 Advanced Arabic Skills I (3)

ARB 331 Arabic/Islamic Culture and Literature (3)

ARB 341 Quran Text and Women (3)

ARB 351 Classical Arabic Literature (3)

ARB 411 Advanced Arabic Skills II (3)

choose one upper-division course from the following:

ARB 321 Arabic Conversation I (3)

ARB 335 Arabic Culture and Islam, G (3)

ARB 336 Intro to the Qur'an (3)

ARB 337 Hadith Prophetic Tradition (3)

ARB 352 Modern Arabic Literature in Translation (3)

ARB 421 Arabic Conversation II (3)

HST 372 Modern Middle East, SB, G, H (3)

REL 365 Islamic Civilization, HU, H (3)

REL 366 Islam in the Modern World, HU, H, G (3)

Students must complete the sequence of elementary Arabic, ARB 101 and ARB 102, as prerequisite courses.

Enrollment Requirements:

Students who wish to add a minor in Arabic studies to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<https://international.clas.asu.edu/undergrad/minors-certificates>

LL 440

silcadvising@asu.edu

480-965-6281

Architectural Studies Minor (ARSTDMIN)

Campus: TEMPE

Description:

The architectural studies minor is available to nonarchitecture majors interested in this field who wish to pursue another major. The courses are designed to provide an overview of architecture throughout history while focusing on architectural design, with the intention to explore the process of design thinking.

Program Requirements:

A minimum of 18 credit hours (to include 12 credit hours of upper-division course work) are required for the minor.

Required Courses:

ALA 100 Introduction to Environmental Design, HU, G, H (3)

ALA 102 Landscapes and Sustainability, HU, G (3)

APH 313 History of Architecture I, (L or HU), G, H (3)

APH 314 History of Architecture II, (L or HU), G, H (3)

Six additional upper-division credit hours of electives in the architectural history and theory concentration must be selected from the following list:

ANP 494 Special Topics (1-3)

APH 305 Contemporary Architecture, HU, H (3)

APH 336 20th-Century Architecture I, HU (3)

APH 337 20th-Century Architecture II, HU (3)
APH 394 Special Topics (3)
APH 414 History of the City, (L or HU), H (3)
APH 441 Ancient Architecture (3)
APH 494 Culture of Place, C (3)
APH 494 Special Topics (3)
APH 499 Individualized Instruction* (3)
ARP 451 Architectural Field Studies (6)

* This course requires a petition to The Design School.

A minimum GPA of 2.50 in minor courses is required to earn the minor in architectural studies. In addition, students may not use a core course to count toward the minor. Students pursuing the BS in landscape architecture must petition the school to request a substitution for any core courses that are also included in the architectural studies minor.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://herbergerinstitute.asu.edu/degrees/>
CDN 162
herbergeradvising@asu.edu
480-965-3536

Art History Minor (FAARTHMIN)

Campus: ONLINE, TEMPE

Description:

The art history minor is designed for those students who are interested in a broad introduction to the study of the history of art. In giving a broad chronological exposure to the history of art from diverse cultures, the minor strengthens academic preparation and provides students with many options to select courses based on their individual interests.

Program Requirements:

The School of Art offers a minor in art history consisting of 18 credit hours of course work, including 12 upper-division electives. A minimum grade of "C" (2.00) is required in all classes in the minor. For those pursuing a minor, a minimum overall GPA of "C" (2.00) is required. Courses may not be double counted in a major and the minor, and a minimum of 12 credit hours of resident credit at the Tempe campus are required.

ARS 100 or ARS 300 may be used toward a minor. ARS 100 and ARS 300 may not be used toward an art history minor if the student is an art major or has credit in ARS 101 and ARS 102.

Required Courses

Select two of the following courses:

ARS 101 Art from Prehistory Through Middle Ages, HU, H (3)
ARS 102 Art from Renaissance to Present, HU, H (3)

or

ARS 201 Art of Asia, HU, G, H (3)

Elective Courses

Students pursuing an art history minor select four three-credit-hour, upper-division courses. A seminar is strongly recommended for those considering graduate study.

Students need to be aware of lower-division prerequisites for all upper-division courses. Interested students should contact the School of Art for specific requirements and admission procedures.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor. Please contact the department for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu>
ART 102
herbergeradvising@asu.edu
480-965-3468

Asian Languages (Chinese) Minor (LACHIMIN)

Campus: TEMPE

Description:

Students pursuing a minor in Asian languages (Chinese) gain an understanding of the language, literature and cultures of China. Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience. See <https://international.clas.asu.edu/study-abroad/summer-programs> (<https://international.clas.asu.edu/study-abroad/summer-programs>) for more information. Highly motivated students interested in learning Chinese to professional-level proficiency, while simultaneously pursuing the Asian languages (Chinese) minor and undergraduate major of their choice, are encouraged to apply to the Chinese Language Flagship Program: <https://international.clas.asu.edu/chineseflagship> (<https://international.clas.asu.edu/chineseflagship>).

Program Requirements:

The minor in Asian languages (Chinese) consists of 18 credit hours, of which 12 credit hours must be upper-division.

Required Courses:

200-level Chinese (up to 6 credit hours)

CHI 301 Third-Year Chinese I, G (5)

CHI 302 Third-Year Chinese II, G (5)

CHI course work chosen in consultation with a School of International Letters and Cultures advisor (2)

Course substitutions are allowed for heritage and advanced speakers of the language.

Enrollment Requirements:

Students who wish to add a minor in Asian Languages (Chinese) to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/undergrad/minors-certificates>
LL 440
silcadvising@asu.edu
480-965-6281

Asian Languages (Japanese) Minor (LAJPNMIN)

Campus: TEMPE

Description:

Students pursuing a minor in Asian languages (Japanese) gain an understanding of the language, literature and cultures of Japan. There are opportunities to partake in study abroad programs, which can serve to enhance students' minor experience and education. Go to <https://international.clas.asu.edu/studyabroad> (<https://international.clas.asu.edu/studyabroad>) for more information.

Program Requirements:

The minor in Asian languages (Japanese) consists of 18 credit hours, of which 12 credit hours must be upper-division.

Required Courses:

200-level JPN courses (up to 6 credit hours)
JPN 301 Third-Year Japanese I, G (3)
JPN 302 Third-Year Japanese II, G (3)
additional upper-division JPN courses chosen in consultation with a School of International Letters and Cultures advisor (6)

Course substitutions are allowed for heritage and advanced speakers of the language.

Enrollment Requirements:

Students who wish to add a minor in Asian Languages (Japanese) to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/undergrad/minors-certificates>
LL 440

Asian Pacific American Studies Minor (LAAPAMIN)

Campus: TEMPE

Description:

Asian Pacific American Studies gathers and develops research, scholarship and archival information on the long history and rich contemporary experiences, cultures and communities of Asian Pacific Americans in the Southwest. This minor will target students interested in careers serving and relating to the complex and rapidly changing Asian-American and Pacific Islander population and more broadly with culturally diverse populations.

Program Requirements:

Students will be required to complete 18 credit hours for the minor. Six hours will be a prescribed core and the remaining 12 elective hours will be selected from any of the courses with an APAS prefix.

Required Core Course (6):

APA 200 Introduction to Asian Pacific American Studies, HU/SB, C (3)

APA 360 Asian Pacific American Experience, HU/SB, C (3)

Elective Courses (12):

The remaining 12 credit hours will be completed by selecting courses not taken to fulfill the six required hours and will be selected from any APA course.

Examples of APA electives include but are not limited to:

APA 210 Introduction to Ethnic Studies in the U.S., C (3)

APA 310 Asian Pacific American Arts and Cultures, HU, C (3)

APA 315 Asian Pacific American Literature, HU, C (3)

APA 330 Asian Pacific American Genders and Sexualities, SB, C (3)

APA 340 Asian Pacific Americans and Media, HU, C (3)

APA 345 Asian Pacific Americans and Film, HU, C, H (3)

APA 360 Asian Pacific American Experience, HU/SB, C (3)*

*Note: One APA 360 course is required for the core; other sections may be repeated for credit with different topics.

- Asian Pacific American Psychology
- the Chinese American experience
- the Filipina/o American experience
- the Japanese American experience
- the Korean American experience
- the Multiracial experience
- the Pacific Islander experience
- the South Asian experience
- the Southeast Asian experience

APA 394 Special Topics (may be repeated for credit with a different topic) (3)

APA 450 Asian Pacific American Contemporary Issues, SB, C (3)

APA 484 Internship (3)

APA 494 Special Topics (may be repeated for credit with a different topic) (3)

APA 499 Individualized Instruction (1-3 credits, may be repeated for credit) (3)

Other Requirements and Restrictions

- At least 12 of the 18 credit hours must be upper-division courses (300 or higher).
- All courses for the minor must have a "C" (2.00) grade or higher.
- A minimum of nine credit hours must be taken in residency at ASU.
- No course may be used to satisfy more than one requirement in the minor.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of

the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://sst.clas.asu.edu/asian-pacific-american-studies>
WILSN 125
SST@asu.edu
480-965-7682

Astronomy Minor (LAASTMIN)

Campus: TEMPE

Description:

The astronomy minor is designed for students interested in developing a basic understanding of astronomy and astrophysics and analyzing issues through a scientific viewpoint.

Program Requirements:

The minor in astronomy consists of a minimum of 24 credit hours. At least 12 credit hours must be upper-division courses.

Required courses:

AST 113 Astronomy Laboratory I, SQ (1)*

AST 114 Astronomy Laboratory II, SQ (1)**

AST 321 Introduction to Planetary and Stellar Astrophysics, SQ (3)*

AST 322 Introduction to Galactic and Extragalactic Astrophysics, SQ (3)**

Choose between the course combinations below:

PHY 150 Physics I, SQ (4) OR

PHY 121 University Physics I: Mechanics, SQ (3)*** AND

PHY 122 University Physics Laboratory I, SQ (1)***

and

PHY 151 Physics II, SQ (4) OR

PHY 131 University Physics II: Electricity and Magnetism, SQ (3)**** AND

PHY 132 University Physics Laboratory II, SQ (1)****

or

PHY 252 Physics III, SQ (4)

Eight credit hours of electives are chosen with approval of an astronomy advisor from upper-division courses in physics and astronomy.

*Both AST 113 and 321 must be taken to secure SQ credit.

**Both AST 114 and 322 must be taken to secure SQ credit.

***Both PHY 121 and 122 must be taken to secure SQ credit.

****Both PHY 131 and 132 must be taken to secure SQ credit.

Courses required for the astronomy minor may have additional prerequisites.

Enrollment Requirements:

All students will be required to meet with an academic advisor in the School of Earth and Space Exploration to declare the minor and confirm that the requirements are being met. The student should also consult an academic advisor in the college or department of the major to make sure the

college or department of the major allows the recognition of the minor. The Degree Audit Reporting System will be used for tracking student progress and verifying completion of the minor.

Minimum Residency Requirement

Students must take at least 12 of the 24 units required for the minor at ASU and at least six of the upper-division hours must be taken from courses offered by the College of Liberal Arts and Sciences. Transfer course work must be evaluated by an advisor in the School of Earth and Space Exploration before it can be applied toward the minor requirements.

The College of Liberal Arts and Sciences and the School of Earth and Space Exploration must officially certify, through established verification procedures, that all requirements for the minor have been met. The college of the student's major allows recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
ISTB4 795
seseinfo@asu.edu
480-965-5081

Astrophysics Minor (LAASTPHMIN)

Campus: TEMPE

Description:

The astrophysics minor is designed for students interested in developing a background in the theoretical modeling and observational techniques of galactic and stellar astronomy, extragalactic astronomy and cosmology. Students completing the minor will acquire the following abilities: to think critically about scientific problems, to reduce complex problems to their most important attributes, and to design experiments, observations and theoretical models to address those attributes. Students pursuing an astrophysics minor are expected to have a strong background in physics and mathematics.

Program Requirements:

The minor in astrophysics consists of a minimum of 20 credit hours.

The following courses are required for the minor, adding up to 12 credit hours.

AST 321 Introduction to Planetary and Stellar Astrophysics (3)
AST 322 Introduction to Galactic and Extragalactic Astrophysics (3)
AST 421 Astrophysics I (3)
AST 422 Astrophysics II (3)

Students must also choose one of the following options for the additional eight credit hours:

Option 1:

SES 121 Earth, Solar System and Universe I, SQ (3)
SES 122 Earth, Solar System and Universe II (3)
SES 123 Earth, Solar System and Universe Laboratory I (1)
SES 124 Earth, Solar System and Universe Laboratory II (1)

Option 2:

AST 111 Introduction to Solar Systems Astronomy (3)
AST 112 Introduction to Stars, Galaxies, and Cosmology (3)
AST 113 Astronomy Laboratory I (1)
AST 114 Astronomy Laboratory II (1)

Option 3:

At least eight credit hours of AST or SES upper-division electives; these may include (but are not limited to):

AST 494 Observing Instrumentation and Data Analysis (3)

SES 311 Essentials of Astrobiology: Exploration for Life in the Universe (3)

Courses required for the astrophysics minor may have additional prerequisites.

Enrollment Requirements:

All students will be required to meet with an academic advisor in the School of Earth and Space Exploration to declare the minor and confirm that the requirements are being met. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor. The Degree Audit Reporting System system will be used for tracking student progress and verifying completion of the minor.

Minimum Residency Requirement

Students must take at least 12 of the 20 units required for the minor at ASU and at least six of the upper-division hours must be taken from courses offered by the College of Liberal Arts and Sciences. Transfer course work must be evaluated by an advisor in the School of Earth and Space Exploration before it can be applied toward the minor requirements.

The College of Liberal Arts and Sciences and the School of Earth and Space Exploration must officially certify, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
ISTB4 795
seseinfo@asu.edu
480-965-5081

Biochemistry Minor (LABCHMIN)

Campus: TEMPE

Description:

The biochemistry minor is designed to give students majoring in other disciplines a solid grounding in the basics of biochemistry in order to complement their major degree. It is especially appropriate for students whose majors are in the various disciplines of life sciences, physics, engineering and geology and for students planning careers in medical disciplines.

Program Requirements:

A minor in biochemistry is awarded to students who complete 28 credit hours in the following required courses:

BCH 461 General Biochemistry (3)

BCH 462 General Biochemistry (3)

BCH 467 Analytical Biochemistry Laboratory, L (3)

CHM 113 General Chemistry I, SQ (4)

CHM 116 General Chemistry II, SQ (4)

CHM 233 General Organic Chemistry I (3)

CHM 234 General Organic Chemistry II (3)

CHM 237 General Organic Chemistry Laboratory I (1)

CHM 238 General Organic Chemistry Laboratory II (1)

CHM 341 Elementary Physical Chemistry (3)

A minimum grade of "C" (2.00 on a scale of 4.00) is required for each of the courses.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through

established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
Department of Chemistry and Biochemistry
<http://chemistry.asu.edu>
PSD 102
chmugadv@asu.edu
480-965-3461

Biological Sciences Minor (LABIOMIN)

Campus: TEMPE

Description:

Biological sciences encompasses the study of all living things and includes the study of basic organization and function, how organisms evolve, their roles in the natural environment, how hereditary information is transferred and the development of biotechnology. The biological sciences minor is designed to provide students interested in the biological sciences with a flexible curriculum that can be tailored to their interests.

Program Requirements:

The minor consists of 24 credit hours, which can be taken in one of two options.

Option 1

BIO 281 Conceptual Approaches to Biology for Majors I (4)
BIO 282 Conceptual Approaches to Biology for Majors II (4)
BIO 340 General Genetics (4)
BIO 345 Organic Evolution (3)

Option 2

BIO 281 Conceptual Approaches to Biology for Majors I (4)
BIO 282 Conceptual Approaches to Biology for Majors II (4)
MBB 347 Molecular Genetics: From Genes to Proteins (4)
MIC 220 Biology of Microorganisms and MIC 206 Microbiology Laboratory (4)

The remaining hours are selected by the student with the approval of a School of Life Sciences advisor.

Notes:

- At least 12 hours must be upper-division courses in the life sciences and at least six upper-division hours taken at the Tempe campus.
- Courses which are not available for credit in the life sciences majors cannot be used for the minor (e.g., BIO 100 The Living World, BIO 201 Human Anatomy and Physiology I, and BIO 202 Human Anatomy and Physiology II).
- Internship courses are not accepted as fulfilling the 24-credit-hour requirement.

Enrollment Requirements:

This minor is not available to students majoring in the life sciences. Students in most majors may pursue one or more minors and upon successful completion of the prescribed course work have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<https://sols.asu.edu/>
LSC 206
sols.advising@asu.edu
480-727-6277

Business Minor (BABUSMIN)

Campus: ONLNE, TEMPE

Description:

A minor in business is available to students across the university who are interested in business courses but wish to pursue majors in other colleges. The courses available for the minor are designed to appeal to and inform the nonbusiness student while covering a broad range of topics that are important to managers, such as:

- accounting
- computer information systems
- economics
- finance
- management
- marketing
- supply chain management

Program Requirements:

Students must complete 18 credit hours (12 of which must be upper-division) of the specified business courses with a grade of "C" (2.00) or higher in each course. At least 12 credit hours must be taken at ASU.

Students may not double count any courses with other business certificates.

The upper-division courses specified for the minor will be restricted to students with 56 earned credit hours and a minimum 2.00 ASU cumulative GPA.

Business students are not eligible to apply for the minor.

Required Courses:

ACC 382 Accounting and Financial Analysis (3)*
ECN 212 Microeconomic Principles, SB (3)
FIN 380 Personal Financial Management (3)
MGT 380 Management and Strategy for Nonmajors (3)
MKT 390 Essentials of Marketing (3)

Electives (select one):

CIS 300 Web Design and Development (3)
CIS 394 Special Topics (3)
ECN 211 Macroeconomic Principles (3)
FIN 331 Financial Markets and Institutions (3)
MKT 391 Essentials of Selling (3)
MKT 394 Special Topics (3)
MKT 395 Essentials of Advertising and Marketing Communication (3)
REA 380 Real Estate Fundamentals (3)
SCM 301 Introduction to Modern Global Supply Chain Management (3)
SCM 394 Special Topics (3)

*Students who have taken ACC 230 or ACC 231 should see a business advisor.

Note: If a student has taken one of the approved courses, above, and it is not showing in the DARS audit, they are asked to call (480) 965-4227 or go to BA 160 for assistance.

Enrollment Requirements:

Application:

A student seeking the business minor must see an advisor in the student's major in order to add the minor to the student's degree audit (DARS).

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<http://wpcarey.asu.edu/undergraduate-degrees/business-minor>

BA 160

wpcareyug@asu.edu

480-965-4227

Chemistry Minor (ASCHMMIN)

Campus: WEST

Description:

The minor in chemistry gives students expanded proficiency in the area of chemistry. Many of the growing career fields, such as forensics, medicine and environmental quality, require a greater degree of chemistry than in the past. Therefore, students with a greater chemistry background will have a competitive advantage in these fields. The chemistry minor gives students more experience in the advanced and integrative fields of chemistry through additional biochemistry and analytical chemistry courses. The awarding of the chemistry minor highlights the students' expanded chemistry knowledge to future schools and employers.

Program Requirements:

The minor in chemistry consists of a minimum of 25 credit hours, of which nine credit hours must be taken in the life sciences department. Students may have to take additional prerequisites in order to enroll in BCH 371 and BCH 372.

Required Courses:

BCH 371 Modern Concepts in Biochemistry (3)

BCH 372 Modern Concepts in Laboratory (1)

CHM 113 General Chemistry I (4)

CHM 116 General Chemistry II (4)

CHM 233 General Organic Chemistry I (3)

CHM 234 General Organic Chemistry II (3)

CHM 237 General Organic Chemistry Laboratory I (1)

CHM 238 General Organic Chemistry Laboratory II (1)

LSC 375 Analytical Chemistry for Life Sciences (3)

LSC 376 Analytical Chemistry for Life Sciences Laboratory (3)

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Mathematical and Natural Sciences
<http://newcollege.asu.edu/mns/degrees/naturalsci/chemistry-courses-minor>
FAB N100
MNS@asu.edu
602-543-6050

Chemistry Minor (LACHMMIN)

Campus: TEMPE

Description:

The chemistry minor is designed to give students majoring in other disciplines a solid grounding in the basics of chemistry in order to complement their major degree. It is especially appropriate for student whose majors are in the various disciplines of physics, materials science, geology, engineering and life sciences.

Program Requirements:

A minor in chemistry is awarded to students who complete a minimum 28 credit hours. The following courses are required:

CHM 113 General Chemistry I, SQ (4)
CHM 116 General Chemistry II, SQ (4)
CHM 233 General Organic Chemistry I (3)
CHM 234 General Organic Chemistry II (3)
CHM 237 General Organic Chemistry Laboratory I (1)
CHM 238 General Organic Chemistry Laboratory II (1)
CHM 325 Analytical Chemistry (3)
CHM 326 Analytical Chemistry Laboratory (1)
choose between the course combinations (8 credit hours):

BCH 361 Advanced Principles of Biochemistry (3)
BCH 367 Elementary Biochemistry Laboratory (1)
CHM 341 Elementary Physical Chemistry (3)
CHM 343 Elementary Physical Chemistry Laboratory (1)

--- or ---

CHM 345 Physical Chemistry I (3)
CHM 346 Physical Chemistry II (3)
CHM 348 Physical Chemistry Laboratory I (1)
CHM 349 Physical Chemistry Laboratory II (1)

A minimum grade of "C" (2.00 on a scale of 4.00) is required for each of the courses in the minor.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
Department of Chemistry and Biochemistry
<http://chemistry.asu.edu>
PSD 102
chmugadv@asu.edu
480-965-3461

Communication Minor (HSCMNMIN)

Campus: WEST

Description:

The communication minor offers students the opportunity to understand the role and function of communication in cultural, public, organizational and relational contexts. The program offers a flexible set of courses and is designed for students majoring in another field. A maximum of six credit hours are allowed from lower-division course work.

Program Requirements:

The minor consists of 18 credit hours of communication courses. Students wishing to pursue a minor must meet with a communication advisor to construct a minor that reflects a particular area of specialty and interest. At least 12 credit hours must come from upper-division courses. To graduate with the minor, students must earn a minimum cumulative GPA of 2.00 in communication courses. All courses must be passed with a minimum grade of "C" (2.00).

Enrollment Requirements: The minor in communication is open to all ASU undergraduate majors. Students should consult an advisor in the department of their major to determine if the minor is consistent with their educational goals and determine if the major allows the recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken.

Please see the School of Social and Behavioral Sciences website for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/communication-program>
FAB S105
SBSadvising@asu.edu
602-543-6058

Communication Minor (LACOMMIN)

Campus: TEMPE

Description:

The minor in communication focuses on teaching students how communication processes create, maintain and transform identities, relationships, workplaces and communities.

Our mission statement is, "Through the study and critique of human communication, we generate knowledge, creativity and understanding to facilitate healthy relationships and workplaces, civil and secure communities and constructive intercultural interaction."

Program Requirements:

The minor in communication consists of 18 credit hours of courses:

COM 100 Introduction to Human Communication (3)
COM 225 Public Speaking (3) OR
COM 259 Communication in Business and the Professions (3)

Two of the following courses:

COM 310 Relational Communication (3)
COM 312 Communication, Conflict, and Negotiation (3)
COM 316 Gender and Communication (3)
COM 323 Communication Approaches to Popular Culture (3)

Two upper-division related courses in Global Studies, Asian Pacific American Studies, African and African American Studies, Transborder Chicana/o and Latina/o Studies or American Indian Studies (SGS, APA, AFR, TCL or AIS) (6)

Nine of the 18 credit hours must be in courses offered by the College of Liberal Arts and Sciences. No pass/fail, "Y" credit or credit/no-credit courses are allowed. Communication courses required for one's major may not also count for the minor. All prerequisites and GPA requirements must be met. The "C" (2.00) minimum grade requirement must be met for each class.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation. The college or department of the minor must officially certify, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
Hugh Downs School of Human Communication
<http://humancommunication.clas.asu.edu/>
STAUF 412
communication@asu.edu
480-965-5095

Community Sports Management Minor (PPCSMMIN)

Campus: DTPHX

Description:

The community sports management minor focuses on the role that amateur and recreational sports play in a community. Emphasis is on the role of sports across the life span provided through sports organizations and programs that also support community development.

Program Requirements:

Students must complete the courses for the minor with a grade of "C" or better.

Core courses:

CSM 201 Introduction to Community Sports (3)
CSM 305 Survey of Sports Facility Design (3)
CSM 407 Ethics and Legal Issues in Sports
PRM 315 Community Recreation Systems (3)

Students must select six credits of electives from the following:

CSM 335 Sports and Recreation for Youth Development
CSM 481 Sports Tourism (3)
CSM 485 Sports Events (3)
NLM 220 Introduction to Nonprofit Management (3)

NLM 310 Volunteer Management (3)
PRM 364 Foundations of Therapeutic Recreation (3)
Others with advisor approval

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-0550

Computational Mathematical Sciences Minor (LACMSMIN)

Campus: TEMPE

Description:

The computational mathematical sciences curriculum strives to provide students with a background in computer science and the natural or physical sciences in addition to a core of course work in mathematics.

Program Requirements:

The minor in computational mathematical sciences consists of a minimum of 18 credit hours. Required courses are the following, for a total of 18-20 credit hours:

MAT 271 Calculus with Analytic Geometry II, MA (4) OR
MAT 266 Calculus for Engineers II, MA (3)
MAT 272 Calculus with Analytic Geometry III, MA (4) OR
MAT 267 Calculus for Engineers III, MA (3)
MAT 342 Linear Algebra (3) OR
MAT 343 Applied Linear Algebra (3)
MAT 420 Scientific Computing (3)
MAT 421 Applied Computational Methods, CS (3)
MAT 423 Numerical Analysis I, CS (3) OR
MAT 425 Numerical Analysis II, CS (3)

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information and see <http://math.asu.edu/degree-programs/programs/undergraduate> (<http://math.asu.edu/degree-programs/programs/undergraduate>).

Contact Information:

Liberal Arts & Sciences, College of
School of Mathematical and Statistical Sciences
<http://math.asu.edu/>
PSA 211
math@asu.edu
480-965-7195

Construction Management Minor (ESCMGMIN)

Campus:**Description:**

This minor will be comprised of course work in construction management processes incorporating the technology and industry practices required to ensure a quality built environment. Due to industry demands for increased numbers of skilled personnel, this minor will provide much needed supplementary knowledge for architects, engineers and business majors as well as students majoring in sustainability.

Program Requirements: Core Required:

CON 244 Working Drawing Analysis (2)
CON 271 Construction Safety (3)
CON 383 Construction Estimating (4)
CON 453 Construction Project Management I (3) OR CON 494 Heavy Construction Project Management

Electives:

CON 252 Building Construction Methods, Materials, and Equipment (3) OR CON 243 Heavy Construction Equipment, Methods and Materials (3)
CON 448 Sustainable Construction (3)
CON 495 Construction Planning and Scheduling (3)
CON 496 Construction Contract Administration (3)

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Engineering, Ira A. Fulton Schools of
School of Sustainable Engineering & Built Environmt
<http://ssebe.engineering.asu.edu/>
ECG 251
sebe.advising@asu.edu
480-965-0595

Criminology and Criminal Justice Minor (PPCRJMIN)

Campus: DTPHX, ONLNE**Description:**

The minor in criminology and criminal justice allows students in other undergraduate programs at ASU to explore issues of crime, law and the criminal justice system. The minor provides students with the tools to analyze complex issues and policies within the criminal justice system, enhancing students' ability to understand the nature of crime and the system response to law breaking. In addition to the three required courses, which provide a solid understanding of the field, each student will be able to select electives to meet his or her specific interests. Criminal justice majors cannot earn a minor in criminal justice.

Program Requirements:

Students are required to:

- at minimum, be in junior standing to take upper-division courses
- complete CRJ 100 as the prerequisite for all upper-division CRJ courses
- complete a minimum of 18 credit hours of graded classroom and online course work (internship or independent study not applicable)
- complete a minimum of 12 credit hours of CRJ resident credit at ASU
- earn a grade of "C" (2.00) or higher for all classes in the minor
- meet with a criminal justice advisor prior to registration
- take a minimum of 12 credit hours of upper-division CRJ course work from the approved list

Required Core Courses:

CRJ 100 Introduction to Criminal Justice, SB (3)

choose one of the following:

CRJ 201 Criminal Justice Crime Control Policies and Practice (3)

CRJ 203 Courts and Sentencing (3)

CRJ 204 Juvenile Justice (3)

CRJ 225 Introduction to Criminology, SB (3)

CRJ 230 Introduction to Policing (3)

CRJ 240 Introduction to Corrections (3)

choose one of the following:

CRJ 305 Gender, Crime and Criminal Justice, C (3)

CRJ 306 Race, Ethnicity, Crime and Criminal Justice, C (3)

CRJ 350 Law and Social Control, SB (3)

CRJ 410 Procedural Criminal Law (3)

Electives (9)

Choose any three additional upper-division CRJ courses. They must be selected from 300- and 400-level courses.

Enrollment Requirements:

Applicants are asked to please meet with a criminal justice advisor prior to registration.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Public Programs, College of

School of Criminology and Criminal Justice

<http://ccj.asu.edu/>

UCENT 600

sccj@asu.edu

602-496-2369

Dance Minor (FADANMIN)

Campus: TEMPE

Description:

The School of Film, Dance and Theatre provides a dynamic and culturally diverse learning environment in which students develop their creativity as artists, scholars and educators. The interdisciplinary curriculum promotes creative collaboration and a holistic approach to acquiring skills for successful career transitions. Movement practices, performance and creativity practice define the core of the program. The rich educational experience is further enhanced by studies in:

- criticism
- dance cultures
- dance history
- digital media
- movement science
- music

- pedagogy and leadership
- philosophy
- production
- somatics

Program Requirements:

The minor in dance consists of 18 semester hours of course work, including 12 upper-division semester hours.

A minimum grade of "C" (2.00) or higher is required in all courses that fulfill the dance minor.

Dance Minor Requirements:

Choose one from the following courses, for a total of three credit hours:

DCE 100 Introduction to Dance, HU, G (3)

DCE 201 Dance, Culture and Global Context, HU, G (3)

Choose one from the following courses, for a total of three credit hours:

DCE 300 Moving Histories, HU (3)

DCE 301 Meaning in Motion, L or HU (3)

DCE 340 Media for Dance, CS (3)

DCE 350 Dance in the Classroom: Learning Through Movement, HU (3)

DCE 394/494 Special Topics (see academic advisor for approved special topics courses.)

DCE 402 Ethnography of Dance Practices, L or HU, G (3)

Choose two from the following courses, for a total of four credit hours:

DCE 110 Argentine Tango I (2)

DCE 111 Raqs Sharqi I (2)

DCE 112 Capoeira I (2)

DCE 113 Dances of Africa 1 (2)

DCE 114 Dances of India I (2)

DCE 115 Yoga I (2)

DCE 116 T'ai Chi Ch'uan I (2)

DCE 117 Feldenkrais I (2)

DCE 118 Yoga/Pilates (2)

DCE 120 Modern Dance 1 (2)

DCE 121 Ballet 1 (2)

DCE 122 Jazz I (2)

DCE 123 Hip Hop I (2)

DCE 124 Latin/Swing/Ballroom I (2)

DCE 125 Latin/Salsa I (2)

DCE 126 Country-Western (2)

DCE 194/294 Special Topics (see academic advisor for approved special topics courses)

DCE 210 Argentine Tango II (2)

DCE 211 Raqs Sharqi II (2)

DCE 216 T'ai Chi Ch'uan II (2)

DCE 220 Modern Dance 2 (2)

DCE 221 Ballet 2 (2)

DCE 222 Jazz II (2)

DCE 223 Hip Hop II (2)

DCE 224 Latin/Swing/Ballroom II (2)

DCE 225 Latin/Salsa II (2)

DCE 324 Latin/Swing/Ballroom III (2)

Choose eight hours of dance electives (to complete 18 hours overall); must include 12 upper division hours.

Note: Students interested in enrolling in movement courses reserved for dance majors only must attend the course on the first day of class for placement and instructor permission. Dance major courses: DCE 133 Urban Movement Practices I (2), DCE 134 Postmodern Contemporary I (3), DCE 135 Contemporary Ballet I (2), DCE 136 Introduction to Movement Language Sources (3).

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Design & the Arts, Herberger Institute for
School of Film, Dance and Theatre
<http://dance.asu.edu/>
GHALL 232
herbergeradvising@asu.edu
480-965-5337

Design Studies Minor (ARDSNMIN)

Campus: TEMPE

Description:

Students interested in design can earn a minor in design studies. This minor is a nonstudio-based program of study in design that focuses on the design disciplines offered in the ASU Herberger Institute:

- architectural studies
- graphic design
- industrial design
- interior design
- landscape architecture

The courses may also appeal to students who wish to pursue the study of design within the BIS.

Program Requirements:

Courses selected must satisfy the minimum requirement of 18 credit hours for the minor. Twelve of the credit hours must be in 300-level or 400-level course work. To enhance understanding of the subject matter, some of the designated courses are sequential in nature and require certain prerequisites. Consequently, students should carefully note the semester in which these particular courses are offered. All designated courses for the minor in design studies are lecture courses. To pursue the minor in design studies, students must have a minimum cumulative GPA of 2.50.

Designated Courses for the Minor:**Architecture and Landscape Architecture**

ALA 100 Introduction to Environmental Design, HU, G, H (3)
ALA 102 Landscapes and Sustainability, HU, G (3)
APH 313 History of Architecture I, L or HU, G, H (3)
APH 314 History of Architecture II, L or HU, G, H (3)
APH 421 First Concepts: What is...The Writing, Philosophy, and Culture of Architecture, L or HU (3)
APH 494 Culture of Place (3)
LPH 310 History of Landscape Architecture, HU, H, G (3)
LPH 311 20th-Century Landscape Architecture, HU (3)

Design

DSC 101 Design Awareness, HU, G (3)
DSC 194 Design Thinking, HU (3)
DSC 394 Design Entrepreneurship & Society (3)

Graphic Design

GRA 101 Designing Life (3)
GRA 111 Graphic Design History I, HU (3)
GRA 112 Graphic Design History II (3)
GRA 225 Communication/Interaction Design Theory (3)
GRA 345 Design Rhetoric, L (3)
GRA 401 Creative Environment (3)
GRA 440 Finding Purpose (3)

Industrial Design

IND 242 Materials and Design (3)

IND 243 Design for Ecology and Social Equity (3)

IND 316 20th-Century Design I, HU, H (3)

IND 317 20th-Century Design II, HU, H (3)

IND 344 Human Factors in Design (3)

IND 354 Principles of Product Design (3)

IND 470 Professional Practice for Industrial Design, L (3)

Interior Design

INT 111 Interior Design Issues and Theories, HU (3)

INT 121 Introduction to Computer Modeling for Interior Design, CS (3)

INT 123 Introduction to Computer-Aided Design of Built Environments (3)

INT 131 Design and Human Behavior, SB (3)

INT 310 History of Interior Design I, HU, H (3)

INT 311 History of Interior Design II, HU, H (3)

INT 412 History of Decorative Arts in Interiors, HU (3)

INT 413 History of Textiles in Interior Design (3)

INT 415 Latin American Design (3)

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Design & the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
<http://herbergerinstitute.asu.edu>
CDS 101
herbergeradvising@asu.edu
480-965-4495

Digital Culture Minor (HIDGCMIN)

Campus: TEMPE

Description:

The digital culture minor in the Herberger Institute for Design and the Arts focuses on the creative exploration of how new media is influencing our culture or, rather, the way we live, learn, create and communicate. The digital culture minor allows students to enhance their program of study with integrated, interdisciplinary training in creative processes and technical skills in new media with cultural applications.

The curriculum is outcomes-based rather than course sequence-based. The curriculum uses an innovative proficiency-based network to connect courses across academic disciplines, instead of traditional methods such as course prerequisites. Proficiencies in the curriculum identify common generalized learning outcomes across disciplines participating in the initiative.

Program Requirements:

The digital culture minor requires 21 credit hours (12 upper-division) in four areas:

capstone culminating project (3)

digital culture studies (9)

media arts and design (3)

media engineering (3)

historical or theoretical studies in digital culture or related digital culture (3)

For a list of digital culture courses, please visit: <http://digitalculture.asu.edu/education/courses> (<http://digitalculture.asu.edu/education/courses>)

A student must have a minimum GPA of 2.50 to be eligible to pursue the minor. A minimum grade of a "C" (2.00) and an overall GPA of 3.00 is required in all classes in the minor. Courses in the minor may not be used as part of a major. A minimum of 12 upper-division semester hours of credit at ASU is required.

Enrollment Requirements:

There is no special application process for the digital culture minor.

Students add the minor by meeting with the academic advisor for their major. Students are also required to meet with the digital culture academic success coordinator to develop the digital culture pathway that best meets the proficiencies for the work they are interested in pursuing.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Design & the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
http://herbergerinstitute.asu.edu/degrees/digital_culture/
BYENG 395
herbergeradvising@asu.edu
480-965-9438

Early Childhood Education Minor (TEECEDMIN)

Campus: DTPHX, POLY, TEMPE, WEST

Description:

A minor in early childhood education will allow students to combine their knowledge of their major discipline while coming to understand educational practices and issues. The ultimate goal of this minor is to produce graduates who are educated in their major field of study and who understand and appreciate education that will positively impact the community. The service learning experience embedded in this minor will enable students to apply their knowledge and skills to meaningful service experience in the community.

Program Requirements:

Courses that will be required for minor:

ECD 211 The Developing Child: Theory into Practice, Prenatal to Grade 3, SB (3)

ECD 220 Introduction to Nutrition, Health and Safety (2)

ECS 312 Social and Emotional Development of the Young Child, SB (3)

ECS 431 Family, Community and Professional Support Systems (3)

EDP 310 four one-hour electives in Educational Psychology for Non-Teachers (4)

USL 210 Service Learning: Intro to Diverse Community Issues/410 Service Learning: Diverse Community Issues, L, C (3)

Enrollment Requirements:

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
<http://education.asu.edu/>
ED 120
educationadvising@asu.edu
480-965-5555

Economics Minor (LAECNMIN)

Campus: TEMPE

Description:

The program of study is designed for students with an interest in studying the fundamentals of economics and applications.

Program Requirements:

This minor (and BIS area of concentration) requires 18 credit hours of course work, which includes:

ECN 211 Macroeconomic Principles, SB (3)

ECN 212 Microeconomic Principles, SB (3)

12 hours of economics courses at the 300 level or above for which all prerequisites have been met

Only courses in which a student receives a grade of "C" (2.00) or higher may be used to meet these requirements. Six credit hours of upper-division course work must be completed in courses offered by the W.P. Carey School of Business.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

Students wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. Students should also consult with an academic advisor in the college or department of their major to make sure the college or department of their major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information:

<http://wpcarey.asu.edu/undergraduate-degrees/advising> (<http://wpcarey.asu.edu/undergraduate-degrees/advising>)

Contact Information:

Liberal Arts & Sciences, College of

Economics Program in CLAS

<https://clas.asu.edu/node/21015>

CPCOM 412

wpcareyecn@asu.edu

480-965-3531

Educational Studies Minor (TEEDSTMIN)

Campus: DTPHX, POLY, TEMPE, WEST

Description:

A minor in educational studies is designed for students who want to work with children, youth and adults outside of a formal classroom setting. This minor provides a foundation in the field of education by studying current issues and educational practices for the community setting. This minor is very versatile and applies to a wide variety of programs and opportunities.

Program Requirements:

Courses that will be required for minor:

EDP 310 Educational Psychology for Non-Teachers (3)

EDT 463 Games for Impact: The Full Life Cycle (3)

SPE 222 Orientation to Education of Exceptional Children, SB, C (3)

SPF 301 Culture and Schooling, L (3)

TEL 111 Exploration of Education, SB (3)

USL 210 Service Learning: Intro to Diverse Community Issues/USL 410 Service Learning: Diverse Community Issues, L and C (3)

Enrollment Requirements:

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation
<http://education.asu.edu/>
ED 120
educationadvising@asu.edu
480-965-5555

Engineering Management Minor (ESENMMIN)

Campus: ONLNE, TEMPE

Description:

The minor in engineering management is designed to provide the student with skills for effective management and leadership of engineering-driven enterprises. The minor curriculum supplements the student's major by adding to the breadth of engineering science and design, and equips the student with additional management and design skills. This knowledge is augmented with an understanding of business practices, organizational behavior and management skills to enable the graduate to succeed in the management of a scientific or engineering enterprise. Topics such as project and resource management, financial engineering, risk management, configuration management, service plans, product liability, entrepreneurship and operations management are covered, in addition to product design and process development.

Program Requirements:

The program of study for a minor in engineering management requires a minimum of 18 credit hours. Note that industrial engineering or engineering management majors will NOT be eligible for the minor.

The minor requires completion of four core courses (12 credit hours) and two elective courses (six credit hours) for a total of 18 credit hours. All courses must be passed with a "C" or better. At least 12 credit hours must be completed in residency at ASU or through ASU Online. The required core courses include:

IEE 220 Business/Industrial Engineering (3)

IEE 300 Economic Analysis for Engineers (3)

IEE 431 Engineering Administration, L (3)

IEE 458 Project Management OR CEE 481 Civil Engineering Project Management (3)*

*CEE 481 may not be used for both the Civil Engineering degree (major) and the Engineering Management minor.

The two elective courses must be selected from the following list:*

IEE 369 Work Analysis and Design, L (3)

IEE 376 Operations Research Deterministic Techniques/Applications (3)

IEE 381 Lean Six Sigma Methodology (3)

IEE 412 Introduction to Financial Engineering (3)

IEE 454 Risk Management (3)

IEE 456 Introduction to Systems Engineering (3)

IEE 474 Quality Control (3)

IEE 498 Analysis of Decision Processes (3)

*Please note that there may be additional prerequisites for the courses in the elective list above.

Enrollment Requirements:

Prior to enrolling in the minor, students must have completed MAT 265 and MAT 266 (or an equivalent calculus sequence) with a grade of "C" or better in each.

Interested students should consult with a CIDSE advisor to verify eligibility and to review all courses required for the minor. To schedule a CIDSE advising appointment, go to <https://fultonapps.asu.edu/advising> (<https://fultonapps.asu.edu/advising>).

Students interested in the engineering management minor should also consult with the advisor of the major to ensure recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Engineering, Ira A. Fulton Schools of
Industrial, Systems & Operations Engineering Prgm

<http://cidse.engineering.asu.edu/forstudent/undergraduate/minor/>
BYENG 208
cidse.advising@asu.edu
480-965-3199

English Minor (ASENGMIN)

Campus: WEST

Description:

A minor in English represents an ideal choice for students who enjoy English but who are committed to another major. The requirements ground the student in the basics of literary and cultural study, and then allow for a range of course offerings in creative writing, linguistics, rhetoric, literature, and technical and professional communication. The minor will help the student to become a better writer, reader and thinker, making the English minor the perfect complement to any major.

Program Requirements:

The minor in English requires a minimum of 24 credit hours, of which 18 must be upper-division (300 or 400 level). Students must complete a minimum of six upper-division credit hours in courses offered by the New College of Interdisciplinary Arts and Sciences.

Required Core Course:

ENG 200 Critical Reading and Writing about Literature, L/HU (3)

Distribution Cluster Requirement:

Select one course from each distribution cluster (see advisor or posted checksheet for specific course offerings). Fifteen credits are required, and at least two courses, for six upper-division credits, must be at the 400 level. Students may, once only, use one course to satisfy two distribution requirements:

- literature and culture before 1860
- literature and culture after 1860
- critical theories
- ethnicity, gender and post-coloniality
- writing and linguistics

Additional hours, to complete 24 credit hours, are electives chosen from program offerings. Eighteen credit hours overall must be upper-division.

Enrollment Requirements:

Students wishing to pursue the English minor should consult an academic advisor in the unit offering that minor to ensure the appropriate set of courses is taken. The student should also consult an academic advisor in the college, division or department of his or her major to make sure the minor is recognized and to have the minor added to the program of study.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/minors/english-courses>
FAB N201
harcs.dept@asu.edu
602-543-4444

English Minor (LAENGMIN)

Campus: ONLNE

Description:

A minor in English will provide students with preparation for any profession requiring strong analytical and communication skills, including in careers in: publishing, journalism, public relations, nonprofit organizations, professional and technical writing, education, business, banking, grassroots activism, law, and medicine as well as numerous others throughout industry and government.

The minor in English is delivered entirely online and serves as a complement to the chosen major of undergraduate students who are pursuing an

ASU major online.

Program Requirements:

The online minor in English consists of 24 credit hours, including ENG 200 Critical Reading and Writing About Literature, L/HU (3). The program also requires:

a minimum of six credits in ENG courses at the 300 level

a minimum of six credits in ENG courses at the 400 level To complete the 24 credit hours, students choose electives from among the department's offerings. At least four courses (12 of the 24 hours) must be taken at the 300 or 400 level with the remaining nine credit hours to be completed with ENG 200-499 courses. A grade of "C" (2.00) or higher is required in all courses taken for the minor.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://asuonline.asu.edu>
LL 542
englishadvising@asu.edu
480-965-3168

English Minor (LSENGMIN)

Campus: POLY

Description:

The minor in English focuses on effective writing, critical thinking and sophisticated reading of literary and non-literary texts.

Program Requirements:

This minor requires 24 credit hours of ENG courses, to include ENG 200 Critical Reading and Writing About Literature, L or HU (3) and a minimum of 12 upper-division hours, of which six credit hours must be taken through the School of Letters and Sciences. All course work for the minor must be completed with a grade of "C" (2.00) or higher.

Enrollment Requirements:

Please contact the school for details.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<https://sls.asu.edu/>
WANER 101
sls@asu.edu

English (Linguistics) Minor (LAENGMINN)

Campus: TEMPE

Description:

Students pursuing a minor in English with a concentration in linguistics study the nature, variation and structure of language.

Program Requirements:

The minor in English with a concentration in linguistics consists of 24 credit hours. A minimum of 12 upper-division credits is required, with at least six of these credits from courses offered by the College of Liberal Arts and Sciences. Required courses are as follows:

ENG 200 Critical Reading and Writing About Literature, L/HU (3)
ENG 213 Introduction to the Study of Language (3)
ENG 221 Survey of English Literature, HU (3) OR
ENG 222 Survey of English Literature, HU, H (3) OR
ENG 241 Literatures of the United States to 1860, HU (3) OR
ENG 242 Literatures of the United States, 1860 to Present, HU (3)
ENG 312 English in its Social Setting, L/HU/SB (3)
ENG 314 Modern Grammar (3)
ENG 413 History of English Language, HU (3)

The six additional hours are electives chosen from the department's offerings, with at least one course (three credit hours) required at the 300 or 400 level. A grade of "C" (2.00) or higher is required in all courses for the minor.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu>
LL 542
englishadvising@asu.edu
480-965-3168

English (Literature) Minor (LAENGMINT)

Campus: TEMPE

Description:

Students pursuing a minor in English with a concentration in literature study British, American and global literatures in English from the earliest writings to the present.

Program Requirements:

The minor in English with a concentration in literature consists of 24 credit hours, including ENG 200 Critical Reading and Writing About Literature, L or HU (3) and one course from three of the following distribution areas:

- literature and culture after 1800
- literature and culture before 1800

- literary theory and interdisciplinary studies
- transnational, postcolonial and global literatures

At least one of these three distribution area courses must be a 400-level course. To complete the 24 credit hours, students choose electives from among the department's offerings. At least 12 hours must be upper-division, with a minimum of six upper-division credits from courses offered by the Department of English in the College of Liberal Arts and Sciences. A grade of "C" (2.00) or higher is required in all courses taken for the minor.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu>
LL 542
englishadvising@asu.edu
480-965-3168

Ethnic Studies Minor (ASETHMIN)

Campus: WEST

Description:

Students take courses that introduce a general conceptual framework regarding race and ethnicity and how these intersect in the construction of social formations.

Program Requirements:

The minor consists of 18 credit hours, 12 of which must be at the upper-division level. Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline. Up to three credit hours of individualized instruction may be applied toward the minor. All courses must be passed with a minimum grade of "C" (2.00).

Required Courses (6 credit hours):

HRC 310 Social and Cultural Studies: Method and Theory (3)

HRC 480 Capstone: Practices and Approaches (3)

choose one (3 credit hours):

ETH 100 Introduction to Ethnic Studies, SB, C (3)

ETH 300 Principles of Ethnic Studies, C (3)

Electives (9 credit hours, of which 6 must be upper-division):

These courses must be chosen from the approved ethnic studies course list in consultation with the ethnic studies advisor.

Enrollment Requirements:

Students wishing to pursue the minor in ethnic studies should consult an academic advisor in the unit offering that minor to ensure the appropriate set of courses is taken. The student should also consult an academic advisor in the college, division or department of his or her major to make sure the minor is recognized and to have the minor added to the program of study.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly
Academic Catalog Archive 2014-2015 732

forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/minors/ethnic-studies-courses>
FAB N201
harcs.dept@asu.edu
602-543-4444

Family and Human Development Minor (LAFASMIN)

Campus: ONLNE, TEMPE

Description:

A minor in family and human development from the School of Social and Family Dynamics, exposes students to the basic course work and issues within the discipline. This program provides an exceptional balance to studies in psychology, communication, education, business or nursing.

Program Requirements:

The minor in family and human development consists of 18 credit hours in which students specialize in family studies or child development. At least 12 of the 18 credit hours must be in upper-division courses.

Students take the following courses:

CDE 232 Human Development, SB (3)

FAS 101 Personal Growth in Human Relationships, SB (3)

FAS 370 Family, Ethnic and Cultural Diversity, SB, C (3) Three courses (or nine credit hours) must be selected from the following and at least one course must be a CDE course: CDE 312 Adolescence, SB (3)

CDE 337 Early Childhood Intervention (3)

CDE 430 Infant/Toddler Development in the Family, SB (3)

CDE 498 Pro-Seminar (3) or FAS 498 Pro-Seminar (3)

FAS 301 Introduction to Parenting (3)

FAS 331 Marriage and Family Relationships, SB (3)

FAS 332 Human Sexuality, SB (3)

SOC 418 Aging and the Life Course, SB, H (3)

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
Sanford School of Social and Family Dynamics
<https://thesanfordschool.asu.edu/>
SS 144
email@thesanfordschool.org
480-965-6978

Film and Media Production Minor (FAFMPMIN)

Campus: TEMPE

Description:

Students pursuing the film minor will study the basic production processes of film while exploring its history and contemporary social issues.

Program Requirements:

The school offers a minor in film and media production, consisting of 18 credit hours of course work. A grade of "C" (2.00) or higher is required for all courses in the minor. All prerequisites for the minor courses must be met. Transfer students may transfer up to six credit hours toward the minor.

The following courses are required, for a total of 12 credit hours:

FMP 201 Film: The Creative Process I, HU (3)*

FMP 250 Sex and Violence in Film and TV: Ethics Survey (3)

FMP 300 Focus on Film: Film Production for Nonmajors (3)

THE 403 Independent Film, HU (3)

*Students considering a minor in theatre concurrently must complete an additional course in theatre or film to make up for the overlapping FMP 201 course.

Also required are six credit hours of upper-division electives related to film and media production. Choose from courses with the FMP, THP or THE prefix. Contact the school for options and course requirements.

Courses ordinarily limited to majors only are available to minors on a second-priority basis; that is, minors may not register for these courses early, but are allowed to register after all major students' needs have been met.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Design & the Arts, Herberger Institute for
School of Film, Dance and Theatre
<http://theatreilm.asu.edu>
GHALL 232
herbergeradvising@asu.edu
480-965-5337

Film and Media Studies Minor (LAFMSMIN)

Campus: ONLNE, TEMPE

Description:

The film and media studies minor is useful for students who want to explore the critical and creative study of film and media. Students can select to study a range of courses that emphasize media and society, media industries, styles and genres and screenwriting.

Program Requirements:

The film and media studies minor consists of 18 credit hours. Of the 18 credit hours, 12 credit hours are upper-division courses.

Required courses include:

FMS 100 Introduction to Film, HU (3)

FMS 200 Film History, L or HU, H (3)

FMS 300 Television and Cultural Studies, L or HU (3)

three upper-division courses from the areas of emphasis course list

For more information contact the film and media studies advisor.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have the accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering the minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allow the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu/film>
LL 542
englishadvising@asu.edu
480-965-3168

Food and Nutrition Management Minor (ECFNTRMIN)

Campus: DTPHX

Description:

This minor is available to any ASU student interested in developing a greater understanding of nutrition, the food industry and food service operations.

Program Requirements:

The minor requires students to take the following courses, for a total of 18 credit hours:

NTR 100 Introductory Nutrition (3) or NTR 241 Human Nutrition (3)
NTR 142 Applied Food Principles (3)
NTR 300 Computer Applications in Nutrition, CS (3)
NTR 343 Food Service Purchasing (3)
NTR 344 Nutrition Services Management, L (3)
NTR 445 Management of Food Service Systems (3)

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<https://snhp.asu.edu/>
NH12
healthpromotion@asu.edu

French Minor (LAFREMIN)

Campus: TEMPE

Description:

Students pursuing a minor in French gain an understanding of the language, literature and cultures of French-speaking peoples and regions. Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience. For more information, go to <https://international.clas.asu.edu/study-abroad/summer-programs> (<https://international.clas.asu.edu/study-abroad/summer-programs>).

Program Requirements:

The French minor requires 18 upper-division credit hours. Course substitutions are allowed for heritage and advanced speakers of the language.

Required courses include:

FRE 311 Oral and Written Expression, G (3)

FRE 312 Oral and Written Expression II, G (3)

FRE 321 French Literature, L or HU, H (3) or FRE 322 French Literature, L or HU (3)

Nine credit hours of upper-division French courses with at least three credit hours from the 400 level are also required.

Enrollment Requirements:

Students who wish to add a minor in French to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<https://international.clas.asu.edu/undergrad/minors-certificates>

LL 440

silcadvising@asu.edu

480-965-6281

Geography Minor (LAGCUMIN)

Campus: TEMPE

Description:

The minor in geography enables students to be as broad or as specific in their geographic education as they wish. Beyond the two required lower-division courses, at least four upper-division courses in geography must be completed.

Program Requirements:

A minor in geography is awarded to students who complete a minimum of 18 hours in geography (at least 12 hours must be upper-division). A grade of "C" (2.00) or higher is required for all courses in the minor. The following lower-division courses are required:

GCU 102 Introduction to Human Geography, SB and G (3)

GPH 111 Introduction to Physical Geography, SQ (4) OR

GPH 211 Landform Processes, SQ (4)

The remaining upper-division courses (12 hours) must be taken from the GCU or GPH prefixes.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/>
COOR 5671
geoplan@asu.edu
480-965-7533

Geological Sciences Minor (LAGLGMIN)

Campus: TEMPE

Description:

The geological sciences minor is designed for students interested in developing a basic understanding of earth science and analyzing issues through a scientific viewpoint.

Program Requirements:

The minor in geological sciences consists of a minimum of 21 credit hours.

The following courses are required for the minor, adding up to 15 credit hours:

GLG 101 Introduction to Geology I (Physical), SQ (3)*
GLG 102 Introduction to Geology II (Historical), SG, H (3)**
GLG 103 Introduction to Geology I-Laboratory, SQ (1)*
GLG 104 Introduction to Geology II-Laboratory, SG (1)**
GLG 310 Structural Geology (3)
GLG 321 Mineralogy (3)
GLG 400 Earth and Space Exploration Colloquium (1)
*Both GLG 101 and 103 must be taken to secure SQ credit.
**Both GLG 102 and 104 must be taken to secure SG credit.

Six credit hours of electives are chosen with the approval of a geology advisor from upper-division courses with geological sciences topics. GLG 400 is not permitted.

Courses required for the geological sciences minor may have additional prerequisites.

Enrollment Requirements:

All students will be required to meet with an academic advisor in the School of Earth and Space Exploration to declare the minor and confirm that the requirements are being met. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor. The Degree Audit Reporting System will be used for tracking student progress and verifying completion of the minor.

Minimum Residency Requirement

Students must take at least 12 of the 21 units required for the minor at ASU and at least six of the upper-division hours must be taken from courses offered by the College of Liberal Arts and Sciences. Transfer course work must be evaluated by an advisor in the School of Earth and Space Exploration before it can be applied toward the minor requirements.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
ISTB4 795
sesinfo@asu.edu
480-965-5081

German Minor (LAGERMIN)

Campus: TEMPE

Description:

Students pursuing a minor in German gain an understanding of the language, literature and cultures of German-speaking peoples and regions. Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience. Go to <https://international.clas.asu.edu/studyabroad> (<https://international.clas.asu.edu/studyabroad>) for more information.

Program Requirements:

The German minor requires 18 hours, 15 of which must be upper-division. Course substitutions are allowed for heritage and advanced speakers of the language.

Required courses include:

GER 310 Advanced German Grammar, G (3)

Choose two courses (6 hours) from:

GER 311 German Conversation, G (3)

GER 312 Readings in German Culture, G (3)

GER 313 German Composition, G (3)

Choose one 400-level GER course (3)

Choose two GER elective courses (6)*

*A maximum of three credit hours are allowed from GER 202

Enrollment Requirements:

Students who wish to add a minor in German to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/undergrad/minors-certificates>
LL 440
silcadvising@asu.edu

Global Health Minor (LASSHMIN)

Campus: ONLINE, TEMPE

Description:

The minor in global health is an interdisciplinary program designed for students who seek a broad and flexible set of skills for understanding contemporary health challenges and thinking about how they might best be solved. Global is understood in the anthropological sense, meaning ways of understanding and addressing disease, health and well-being that can incorporate all cultures, places and time and that can integrate knowledge of health's social, historical, biological and ecological dimensions.

Program Requirements:

The minor is comprised of 18 credit hours, with a minimum of 12 credit hours being upper-division. Students must complete the following: an approved global health study abroad (summer session, six credits minimum)

culture, society and health course

poverty and social justice course

SSH/ASB 100 Introduction to Global Health, SB, G (3)

time depth or human health and biology course

Enrollment Requirements:

Students must speak with an advisor in the School of Human Evolution and Social Change to declare a minor.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of

School of Human Evolution & Social Change

<http://shesc.asu.edu/undergraduate/minor-or-bis-concentration-global-health>

SHESC 233

shesc.undergrad@asu.edu

480-965-6215

Global Studies Minor (LASGSMIN)

Campus: TEMPE

Description:

The minor in global studies offers students, from a transdisciplinary perspective, exposure to global processes and institutions. The minor aims to provide students with an introduction to the tools and skills necessary to make connections linking theory with challenging global issues.

Program Requirements:

The minor in global studies consists of 18 credit hours in global studies courses, 12 credit hours of which must be upper-division courses. Students who minor in global studies must complete two required courses:

SGS 101 Thinking Globally: The Individual and Authority, SB (3) or SGS 301 Principles of Global Studies (3) (but not both courses)

SGS 303 Global Trends, SB (3)

The remaining 12 credit hours must be chosen among global studies electives with an SGS prefix. Courses that count toward the minor must have a grade of "C" (2.00) or higher. A maximum of three credit hours of SGS 484 International Internship or three credit hours of SGS 499 Individualized Instruction may be applied to the minor. A minimum of six upper-division credit hours must be taken in courses offered by the College of Liberal Arts

and Sciences.

Enrollment Requirements:

Students who wish to pursue a minor in global studies may do so with the permission of the department, school or college of their major as well as the advisor in the School of Politics and Global Studies. An ASU student who is pursuing a degree at any ASU campus may elect to add a minor offered at any other ASU campus.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of Politics and Global Studies
<https://pgs.clas.asu.edu/>
COOR 6797
spgs@asu.edu
480-965-6551

History Minor (ASHISMIN)

Campus: WEST

Description:

The minor in history educates students in the use of basic tools and methods of the historical discipline. Students are exposed to a broad span of history, both temporally and geographically, ranging from the ancient world through the modern period, and extending from Europe to Latin American and the United States.

Program Requirements:

The minor in history consists of 18 credit hours in history, with a grade of "C" (2.00) or higher, of which 12 credit hours must be upper-division (300 or 400 level). Students must complete a minimum of six upper-division credit hours in courses offered by the New College of Interdisciplinary Arts and Sciences.

Choose one of the following combinations (6 credit hours):

HST 100 Global History to 1500, HU, H, G (3) and

HST 101 Global History since 1500, HU, G, H (3)

or

HST 109 United States to 1865, HU/SB, H (3) and

HST 110 United States since 1865, SB, H (3)

or choose two of three offered:

HST 102 Western Civilization, SB, H (3)

HST 103 Western Civilization, HU/SB, H (3)

HST 104 Western Civilization, HU/SB, G, H (3)

Required Methods Course (3 credit hours):

HST 495 Methods of Historical Inquiry, L (3)

History upper-division electives (9 credit hours)

Enrollment Requirements:

Students wishing to pursue the history minor should consult an academic advisor in the unit offering that minor to ensure the appropriate set of courses is taken, to sign the minor check sheet and to have the minor added to their program of study. The student should also consult an

academic advisor in the college or department of his or her major to make sure the college or department of the major recognizes the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/minors/history-courses>
FAB N201
harcs.dept@asu.edu
602-543-4444

History Minor (LAHISMIN)

Campus: ONLNE, TEMPE

Description:

Students who pursue the minor in history study the growth and development of human society from all aspects political, social, economic and cultural. The school covers the history of Europe, the U.S., Asia, Latin America and Africa, and courses are designed to give students both breadth and depth in understanding today's complex world.

Program Requirements:

The history minor consists of 18 credit hours of course work, at least 12 credit hours of which must be in upper-division course work. On-ground students earning a minor in history must complete one 12 credit hour HST geographic concentration (United States, Europe, Asia or Latin America). ASU Online students earning a history minor must complete a minimum of 12 credit hours in U.S. history courses. The School of Historical, Philosophical and Religious Studies requires a grade of at least "C" (2.00) in all courses in the minor. A minimum of six upper-division hours in the minor must be taken from courses offered by the College of Liberal Arts and Sciences.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation providing the college (and, in certain colleges, the academic unit) of their major allows the official recognition of the minor and the academic unit of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met.

Students wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. Students should also consult with an academic advisor in the college or department of their majors to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/undergrad/minors>
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

History Minor (LSHISMIN)

Campus: POLY

Description:

The minor in history focuses on American history, European history, Southwest history, environmental history and related fields.

Program Requirements:

This minor requires 18 credit hours of HST courses to include a minimum of 12 upper-division hours, of which six credit hours must be taken through the School of Letters and Sciences. All course work for the minor must be completed with a grade of "C" (2.00) or higher.

Enrollment Requirements:

Please contact the school for details.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<https://sls.asu.edu/>
WANER 101
sls@asu.edu
480-727-1526

Human Nutrition Minor (ECNTRMIN)

Campus: DTPHX, POLY

Description:

This minor program is available to any ASU student interested in a strong scientific understanding of human nutrition.

Program Requirements:

The minor requires students to take the following courses, for a total 18 credit hours:

NTR 241 Human Nutrition (3)
NTR 340 Applications in Human Nutrition (3)
NTR 341 Introduction to Planning Therapeutic Diets (3)
NTR 440 Advanced Human Nutrition I (3)
NTR 441 Advanced Human Nutrition II (3)
NTR 444 Medical Nutrition Therapy (3)

Additional prerequisite requirements: CHM 101 or 113, BIO 201, BIO 202 and BCH 361

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<https://snhp.asu.edu/>
NHI2
healthpromotion@asu.edu
602-496-3300

Interdisciplinary Organizational Studies Minor (ASIOSMIN)

Campus: WEST

Description:

The minor in interdisciplinary organizational studies is designed to increase students' understanding of the behavior and the dynamics of individual, group and organizational processes in the workplace. It incorporates perspectives from the behavioral and social sciences, communication studies and management. The minor is learner-centered and allows students to select course work that matches their career and educational goals.

Program Requirements:

The minor consists of 21 credit hours, of which 18 must be upper-division course work.

Required Courses

ASB 440 Women in the Global Factory, SB, G (3) or POS 437 Women, Power and Politics, G (3)
PSY 430 Industrial Psychology (3) or SBS 461 Program Evaluation and Policy Research (3)
PSY 453 Organizational Behavior, SB (3)
Research methods course (3)*

Cluster 1: Courses Focused on Organizations

Choose two from the following courses, for a total of six credit hours:

COM 450 Theory and Research in Organizational Communication, SB (3)**
COM 451 Communication and Work Relationships (3)**
COM 453 Communication Training and Development (3)**
MGT 301 Principles of Management (3)
MGT 412 Managing Human Resources (3)
PSY 430 Industrial Psychology (3)**
PSY 482 Social Influence and Consumer Behavior, SB (3)
PHI 360 Business and Professional Ethics, HU (3)
PRM 311 Leadership in Recreation and Tourism (3)
SBS 461 Program Evaluation and Policy Research (3)**
SOC 324 Work and the Workplace, SB, H (3)
SOC 419 Organizations and Technological Change, G (3)
PSY 484, COM 484, or SOC 484 (or others) Internship (3)

The internship site must be approved by the SBS advisor.

Cluster 2: Courses Focused on Diversity Within Organizations

Choose one from the following courses for a total of three credit hours:

COM 463 Intercultural Communication Theory and Research, SB, G (3)
PSY 480 Cross-Cultural Social Psychology, SB, G (3)
POS 437 Women, Power and Politics, G (3)
SOC 270 Racial and Ethnic Relations, SB, C (3)
SOC 400 Perspectives on Aging, SB (3)
SOC 426 Social Inequality, SB (3)
WST 380 Race, Gender and Class, SB, C (3)

*SBS advisor's approval is required.

**Course may be selected if not used to fulfill core requirements.

Enrollment Requirements:

The minor in interdisciplinary organizational studies is open to all ASU undergraduate majors. Students should consult an advisor in the department of their major to determine if the minor is consistent with their educational goals and determine if the major allows the recognition of the minor. A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken.

Please see the School of Social and Behavioral Sciences website at <http://newcollege.asu.edu/sbs/college-advising> (<http://newcollege.asu.edu/sbs/college-advising>) for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/IOS-courses-minor>
FAB S105
SBSadvising@asu.edu
602-543-6058

Interior Design History Minor (ARINTMIN)

Campus: TEMPE

Description:

The minor in interior design history is available to students interested in design and culture. The courses designated for the minor are part of the professional studies in interior design within the program of interior design. Moreover, the courses serve to inform students about the evolution of interiors, furnishings, decorative arts and textiles from ancient Egypt to the present. They introduce theories informing the profession of interior design. They examine cultures from around the globe, as they influence human needs and behaviors in the living and working environment.

Program Requirements:

A minimum of 18 credit hours (12 credit hours of which must be from the 300 or 400 level) are required for the minor. To enhance the understanding of the subject matter, the selected courses are sequential in nature and require certain prerequisites. Consequently, students should carefully note the semester in which any of these courses are offered.

Required Courses:

DSC 101 Design Awareness, HU, G (3)
INT 111 Interior Design Issues and Theories, HU (3)
INT 310 History of Interior Design I, HU, H (3)*
INT 311 History of Interior Design II, HU, H (3)

choose two courses from:

INT 412 History of Decorative Arts in Interiors, HU (3)
INT 413 History of Textiles in Interior Design (3)
INT 415 Latin American Design (3)
INT 494 Design and Context/Contemporary Design Issues in Europe** (3)

*prerequisite: ARS 102 Art from Renaissance to Present (3) with C or better

**summer study abroad course, offered in summer term only

Students must have an overall GPA of 2.50 or higher and achieve a minimum 2.50 GPA in minor classes to be awarded the minor.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://herbergerinstitute.asu.edu/degrees/design.php>
CDN 162
herbergeradvising@asu.edu
480-965-8947

Italian Minor (LAITAMIN)

Campus: TEMPE

Description:

Students pursuing a minor in Italian gain an understanding of the language, literature and cultures of Italian-speaking peoples and regions. Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience. Go to <https://international.clas.asu.edu/study-abroad/summer-programs> (<https://international.clas.asu.edu/study-abroad/summer-programs>) for more information.

Program Requirements:

The Italian minor requires 18 credit hours. A minimum of 12 credit hours must be upper-division.

Required courses include:

ITA 311 Italian Conversation, G (3) or ITA 312 Italian Composition, L, G (3) or ITA 315 Italian Civilization (3)

ITA 321 Introduction to Italian Literature I (3) or ITA 322 Introduction to Italian Literature II, HU (3)

one 400-level ITA course (3)

Elective courses:

Students may use a maximum of six credits from the 200 level. All remaining electives must be upper-division.

Course substitutions are allowed for heritage and advanced speakers of the language.

Enrollment Requirements:

Students who wish to add a minor in Italian to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<https://international.clas.asu.edu/undergrad/minors-certificates>

LL 440

silcadvising@asu.edu

480-965-6281

Justice Studies Minor (LAJUSMIN)

Campus: ONLNE, TEMPE

Description:

The minor in justice studies is designed for students interested in developing an understanding of meanings of justice and injustice and analyzing controversial issues. In addition to the two required courses, which provide a solid understanding of the field, students will be able to select electives to meet their specific interests. Criminal justice majors may not earn a minor in justice studies.

Program Requirements:

The minor is 18 total credit hours. Students will be required to take two specific classes and will then have the option to select four JUS classes as their minor electives.

Required courses (6):

JUS 105 Introduction to Justice Studies, SB (3) or JUS 305 Principles of Justice Studies, SB (3)

JUS 303 Justice Theory (3)

elective courses (12)

Students can select any JUS course except JUS 301 and JUS 302.

- A minimum of nine credit hours must be courses offered by the School of Social Transformation.
- No pass/fail or noncredit course work may be applied to the minor.
- Students must receive a minimum grade of "C" (2.00) for all courses in the minor.
- Student must meet all course eligibility requirements, including prerequisites.
- Twelve credit hours must be upper-division.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://sst.clas.asu.edu/justice-and-social-inquiry>
WILSN 125
SST@asu.edu
480-965-7682

Landscape Studies Minor (ARLNDMIN)

Campus: TEMPE

Description:

The minor in landscape studies is designed for students who have an interest in landscape architecture but are pursuing a major in another field. The course selection is intended to provide greater understanding of landscape architecture issues that may be relevant in related professional disciplines and to broaden knowledge about the landscape in which we live.

Program Requirements:

A minimum of 18 credit hours (to include 12 credit hours of upper-division course work) are required for the minor.

Required Courses:

ALA 100 Introduction to Environmental Design, HU, G, H (3)
ALA 102 Landscape and Sustainability HU, G (3)
LPH 310 History of Landscape Architecture, HU, H, G (3)
LPH 311 20th-Century Landscape Architecture, HU (3)

Six additional upper-division credit hours of electives in the landscape architecture history and theory concentration must be selected from the following list:

ANP 494 Special Topics (1-3)
LDE 494 Applied Landscape Architecture (3)
LPH 394 Special Topics (3)
LPH 411 Landscape Architecture Theory and Criticism, L (3)

LPH 494 Special Topics (3)
LPH 499 Individualized Instruction* (3)
LAP 354 Plant Materials (3)

*These courses require a petition to The Design School.

A minimum GPA of 2.50 in minor courses is required to earn the minor in landscape architecture studies. In addition, students may not use a core course to count toward the minor. Students pursuing the BSD in architecture must petition the school to request a substitution for any core courses that are also included in the landscape architecture minor.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://design.asu.edu/>
CDN 162
herbergeradvising@asu.edu
480-965-3536

Latin American Studies Minor (ASLASMIN)

Campus: WEST

Description:

The Latin American studies minor is designed for students who have an interest in becoming proficient in Spanish and who wish to carry out work and research in areas not related exclusively to literature. This minor offers a student-driven model in which the student's specific interests are deepened through the study of Latin America. It is interdisciplinary and allows for flexibility on the part of students, while also instilling a breadth and depth of knowledge about issues surrounding Latin America. This minor allows students to be more widely marketable upon graduation for fields as diverse as business, arts administration, teaching, nonprofit, science and more.

Program Requirements:

Required Minor Core:

LAS 205 Deep Roots: Latin America (3)

LAS 206 Locating Latin America: Interdisciplinary Methods (3)

LAS 330 From the Inside: The Latin American Journey (3)

TRACK 1: ARTS

IAP 305 20th/21st Century Art, Performance, Media (3)

IAP 354 Visual Representation (3)

IAP 361 Digital Editing & Media Literacy (3)

IAP 473 Aesthetic Research (3)

IAP 474 Art and Film (3)

LAS 471 Treaties and Cultural Production in Spain and the Americas (3)

LAS 480 Current Trends in Theatre and New Media in Latin America and Spain (3)

MUS 354 Latin American Music (3)
SPA 434 Drama of the Golden Age (3)
SPA 487 Mexican American Drama (3)

TRACK 2: NARRATIVE (Literature and Film)

LAS 340 Latin American Women Writers (3)
LAS 351 Cityscapes: Urban Mexican Lit & Culture (3)
LAS 355 Contemporary Mexican Cinema (3)
LAS 481 Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (3)
SPA 325 Introduction to Spanish Literature (3)*
SPA 394 Special Topics (3)
SPA 426 Spanish Literature (3)
SPA 427 Spanish American Literature (3)
SPA 429 Mexican Literature (3)
SPA 431 Prose of Golden Age (3)
SPA 435 Cervantes-Don Quixote (3)
SPA 454 19th Century Spanish American Narrative (3)
SPA 456 20th Century Spanish American Fiction (3)
SPA 485 Mexican American Short Story (3)
SPA 486 Mexican American Novel (3)

*SPA 325 is not available as an elective to LAS majors.

TRACK 3: HISTORY/POLITICAL SCIENCE

AMS 428 Chicano Cultures in Southwest (3)
ASB/SBS/SOC 342 Mexico-US Borderlands (3)
HST 305 Studies in Latin American History (3)
HST 375 Colonial Latin America (3)
HST 376 Modern Latin America (3)
HST 404 Conquest (3)
HST 494 ST: Latin Am & World Economy (3)
LAS 350 The Construction of a Nation: Chile in the 20th/21st Century (3)
LAS 481 Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation (3)
POS 354 Central American Studies (3)
POS 454 Mexico (3)
POS 456 Latin American Cities (3)
POS 464 Border Cities: Action Research/Globalization (3)

TRACK 4: EDUCATION/LINGUISTICS

SPA 400 Introduction to Spanish Linguistics (3)
SPA 413 Advanced Spanish Grammar (3)
SPA 417 Spanish Phonetics/Phonology (3)
SPA 418 Spanish Syntax (3)
SPA 420 Applied Spanish Linguistics (3)
SPA 421 Spanish in the Southwest (3)
SPA 422 Spanish Lexicology and Lexicography (3)

TRACK 5: SOCIOLOGY/ANTHROPOLOGY

AMS 330 Documenting American Lives (3)
ASB/SBS/SOC 342 Mexico-US Borderlands (3)
SPA 464 Mexican American Literature (3)
SPA 471 Civilization of the Spanish Southwest (3)
SPA 472 Spanish American Civilization (3)
SPA 474 Mexican Culture (3)
WST 430 Gender on the Borderlands (3)
WST 473 Indigenous/Latina/Chicana Representation (3)

TRACK 6: BUSINESS & PROFESSIONS

IAS 406 Moral Dilemmas (3)
LAS 471 Treaties and Cultural Production in Spain and the Americas (3)
PHI 306 Applied Ethics (3)
PHI 360 Business and Professional Ethics (3)
PHI 406 Moral Dilemmas (3)
SPA 394 Special Topics (3)
SPA 401 Spanish Oral Communications/Professions (3)
SPA 402 Written Communications for the Professions (3)
SPA 403 Spanish Grammar/Stylistics for the Professions (3)
SPA 404 Spanish in U.S. Professional Communities (3)
SPA 405 Latino Cultural Perspectives for the Professions (3)

Enrollment Requirements:

Students must demonstrate Spanish language proficiency by meeting the prerequisites of the upper-division Latin American emphasis courses, one of which must include a course taught in Spanish, or by taking Spanish classes up through SPA 325.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<https://newcollege.asu.edu/humanities-arts-cultural-studies-degree-programs>
FAB N201
harcs.dept@asu.edu
602-543-4444

Life Sciences Minor (ASLSCMIN)

Campus: WEST

Description:

A minor in life sciences can be a valuable asset particularly when paired with an appropriate major. For instance, a minor in biology paired with a major in political science would provide a good background for someone who wanted to practice environmental law.

Program Requirements:

Required Courses:

BIO 181 General Biology I, SQ (4)
BIO 182 General Biology II, SG (4)
BIO 320 Fundamentals of Ecology (3)
BIO 353 Cell Biology (3)
BIO 354 Cell Biology Laboratory (1)
CHM 113 General Chemistry I, SQ (4)
CHM 116 General Chemistry II, SQ (4)
LSC 322 Fundamentals of Ecology Laboratory (1)
LSC 347 Fundamentals of Genetics (3)
LSC 348 Fundamentals of Genetics Laboratory (1)

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Mathematical and Natural Sciences
<http://newcollege.asu.edu/mns/degrees/naturalsci/life-sciences-courses-minor>
FAB N100
MNS@asu.edu
602-543-6050

Materials Science and Engineering Minor (ESMSEMIN)

Campus: TEMPE

Description:

The materials science and engineering minor is designed to give other science and engineering majors an in-depth understanding of materials, including their structure, processing, properties and performance.

Program Requirements:

Students are required to take six courses (minimum of 16 credits), listed below:

Required Courses:

MSE 250 Structure and Properties of Materials (3)
MSE 355 Structure and Defects (3)
MSE 356 Structure, Properties and Defects Lab (1)
two MSE courses at the 300 level or higher (6)

one materials-related course from the following list:

any MSE course at the 300 level or higher (3)
CEE 353 Civil Engineering Materials (3)
CHE 458 Semiconductor Material Processing (3)
CHM 471 Solid-State Chemistry (3)
EEE 352 Properties of Electronic Materials (4)
EEE 436 Fundamentals of Solid-State Devices (3)
PHY 481 Materials Physics I (3)

Enrollment Requirements:

Students need sophomore status and a minimum 2.75 ASU and transfer GPA to enroll in the minor in materials science and engineering and a 2.50 GPA in all courses in the minor to receive the minor. Students adding the minor will also need to complete MAT 265 (270), MAT 242, and CHM 114 or CHM 113/116.

Interested students should consult with a SEMTE advisor to verify eligibility and to review all courses required for the minor. To schedule an advising appointment, please contact the SEMTE advising office at <http://engineering.asu.edu/semte/Advising.html> (<http://engineering.asu.edu/semte/Advising.html>).

Students interested in the materials minor should also consult with their major advisor to ensure recognition of the minor and to have their minor added to their DARS.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Engineering, Ira A. Fulton Schools of
Materials Science and Engineering Program
<http://engineering.asu.edu/semte>
ECG 202
semte@asu.edu
480-965-2335

Mathematics Minor (ASMATHMIN)

Campus: WEST

Description:

The minor in mathematics explores the study of higher mathematics. It is designed to enable the student to understand the mathematics most commonly used in business, economics and science. It is expected that students in the minor will be able to reason and to find creative solutions to problems that were either presented to them or meaningfully formulated by them. The minor is recommended for students who plan to major in integrative studies, life sciences and business and for those who are preparing for further graduate study.

Program Requirements:

The minor in mathematics consists of a minimum of 27 credit hours, of which nine credit hours must be taken in the mathematical sciences and applied computing department.

Required Courses:

MAT 270 Calculus with Analytic Geometry I, MA (4)
MAT 271 Calculus with Analytic Geometry II, MA (4)
MAT 272 Calculus with Analytic Geometry III, MA (4)
MAT 300 Mathematical Structures, L (3)
MAT 342 Linear Algebra (3)

Choose three electives from the following courses, or other approved courses, in consultation with a departmental advisor, for a total of nine credits:

MAT 310 Introduction to Geometry (3)
MAT 371 Advanced Calculus I (3)
MAT 411 History and Philosophy of Mathematics, HU, H (3)
MAT 443 Introduction to Abstract Algebra (3)
MAT 445 Theory of Numbers (3)
STP 420 Introductory Applied Statistics, CS (3)

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met, and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Mathematical and Natural Sciences
<http://newcollege.asu.edu/mns/degrees/mathematics/math-courses-minor>
FAB N100
MNS@asu.edu
602-543-6050

Mathematics Minor (LAMATMIN)

Campus: TEMPE

Description:

The minor in mathematics is designed for students who want to further their knowledge of mathematics and is recommended for students who are majoring in such disciplines as physics, engineering, business, economics and the life and social sciences where the need for quantification in the analysis of phenomena is strong.

Program Requirements:

The minor in mathematics consists of a minimum of 18 credit hours. Required courses are as follows, for a total of nine to 11 hours:

MAT 271 Calculus with Analytic Geometry II, MA (4) or MAT 266 Calculus for Engineers II, MA (3)

MAT 272 Calculus with Analytic Geometry III, MA (4) or MAT 267 Calculus for Engineers III, MA (3)

MAT 342 Linear Algebra (3) or MAT 343 Applied Linear Algebra (3)

Electives must be upper-division courses in mathematics (MAT) or statistics and probability (STP). Students may not apply MAT 411 or 485 or a course not offered at ASU to the minor, unless otherwise approved by a department advisor.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of Mathematical and Statistical Sciences
<http://math.asu.edu/>
PSA 211
math@asu.edu
480-965-7195

Media Analysis Minor (CSCMOMINA)

Campus: DTPHX, ONLNE

Description:

The mass media, more than ever before, plays a vital role in how information is disseminated and how societies are shaped and function. As traditional forms of media and information dissemination change rapidly in an increasingly technological world, it is more important than ever for students to understand the way that media work, as well as learn to evaluate the messages that are sent. All students can benefit from the study of mass communications institutions, functions and techniques. In this minor, students will learn to understand the roles that media play, how they are changing and their impact. They will be given the tools they need to critically evaluate, analyze and interpret media messages in order to become wise consumers of media themselves.

Program Requirements:

The minor of media analysis consists of 18 credit hours of course work. This is a requirement consistent with many other minor programs at Arizona State University and at other colleges and universities. The focus of the program is on media analysis. Students in the minor will concentrate on evaluating the impact of information dissemination rather than on topics that focus on the practice of gathering and distributing messages. Students in the minor may not register for courses in the professional journalism curriculum.

To take upper-division courses, the student must be at least a sophomore (25 credit hours). To pursue the minor in media analysis, the student must maintain a minimum 2.00 overall GPA, obtain a minimum grade of "C" (2.00) in each course in the minor and have a major other than journalism and mass communication.

Three specific classes will be required (nine hours). The required classes are:

MCO 120 Media and Society, SB (3)

MCO 240 Media Issues in American Pop Culture (3)

MCO 418 History of Mass Communication, SB, H (3)

In addition, students select three additional courses (nine hours) from the list of electives offered by the journalism school. The common element of these courses is that they focus on understanding specific aspects of the mass media and how those aspects impact individuals and societies in terms of function, effects and enculturation. Electives offered include:

MCO 200 Introduction to the Electronic Media (3)

MCO 240 Media Issues in American Pop Culture (3)

MCO 430 International Mass Communication, G (3)

MCO 435 Social Media (3)

MCO 450 Visual Communication, HU (3)

MCO 455 War and the Mass Media (3)

MCO 456 Political Communication, SB (3)

MCO 460 Race, Gender and Media, C (3)

MCO 465 Sports and Media (3)

MCO 473 Sex, Love and Romance in the Mass Media, SB (3)

MCO 494 Special Topic courses (3)

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information:
http://cronkite.asu.edu/undergrad/minor_media_analysis.php (http://cronkite.asu.edu/undergrad/minor_media_analysis.php).

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Journalism & Mass Communication, Walter Cronkite School of

Walter Cronkite School of Journalism & Mass Comm

<http://cronkite.asu.edu>

CRONK 220

cronkiteadvising@asu.edu

602-496-5055

Military Leadership Minor (LAMISMIN)

Campus: TEMPE

Description:

The minor in military leadership is designed to enhance the student's learning experience by providing tools to prepare them for leadership roles in various organizations. Students complete courses that will cover academic and practical skills in many areas, including:

- effective communication
- leadership ethos
- leading, motivating and empowering others
- negotiating
- problem-solving
- team-building

Program Requirements: The minor in military leadership requires 18 credit hours, 12 of which must be at the 300 or 400 level. Here are five options available as noted below. Twelve credit hours must be taken in residence on an ASU campus. The required courses are as follows: Army option:

MIS 30I Advanced Military Science I, L (3)

MIS 302 Advanced Military Science II, L (3)

MIS 40I Advanced Military Science III (3)

MIS 402 Advanced Military Science IV (3)

Air Force option:

AES 301 Air Force Leadership Studies I, L (3)
AES 303 Air Force Leadership Studies II, L (3)
AES 401 National Security Affairs, L (3)
AES 403 Preparation for Active Duty II (3)

Navy Option:

Note, this option will not be available fully until fall 2015. Courses are still in the process of creation and approval.

Marine Corps Option:

Note, this option will not be available fully until fall 2015. Courses are still in the process of creation and approval.

Non-ROTC Option:

A minimum of three of the above upper-division courses for nine credits, any combination, in conjunction with the below electives satisfying 18 credit hours, to include 12 upper-division credits.

Approved Electives:

Note: Any courses from the above can be used as an elective for a complementary optionAES 101 Air Force Today I (2)

AES 103 Air Force Today II (2)
AES 201 The Evolution of USAF Air and Space Power 1 (2)
AES 203 The Evolution of USAF Air and Space Power II (2)
AES 499 Individualized Instruction (3)
FAS 101 Personal Growth and Human Relationships, SB (3)
FAS 331 Marriage and Family Relationships, SB (3)
HST 372 Modern Middle East, SB, G, H (3)
HST 408 Civil War and Reconstruction, L or SB, H (3)
HST 456 The Vietnam War, SB, G, H (3)
MIS 101 Introduction to the Military I (3)
MIS 102 Introduction to the Military II (3)
MIS 201 Introduction to Leadership Dynamics 1 (3)
MIS 202 Introduction to Leadership Dynamics II (3)
MIS 410 American Defense Policy I, SB, G, H (3)
MIS 412 American Defense Policy II, SB, G, H (3)
MIS 499 Individualized Instruction (3)
NAV 101 Introduction to Naval Science (2)
REL 100 Religions of the World, HU, G (3)
REL 366 Islam in the Modern World, HU, H, G (3)

Alternative Electives:

Additional electives may be selected by the student with prior approval from the department chair.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

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Note: Certain major and minor combinations may be deemed inappropriate by either the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor: Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
Department of Military Science
<http://militaryscience.clas.asu.edu>
SS 330
Army.ROTC@asu.edu
480-965-3318

Music Minor (FAMUSMIN)

Campus: TEMPE

Description:

The music minor is designed for those students who are interested in a broad introduction to the study of music. The program allows for a diverse exposure to traditional through contemporary music practices, with numerous options to select courses based on students' interests.

Program Requirements:

The School of Music offers a minor in music consisting of 24 credit hours of course work, including a minimum 12 upper-division credit hours. A minimum grade of "C" (2.00) is required in all courses.

Required Courses (12):

MHL 201 Media Literacy for Musicians, CS (3)*

MUS 100 Fundamentals of Music Notation (3)*

MUS 131 Bach to Bebop (3)

MUS 340 Music for the Concert Hall, Stage and Screen HU, H(3)

Music history (select two of the following five courses) (6):

MUS 347 Jazz in America, HU, C (3)

MUS 355 American Music, HU, C, H (3)

MUS 356 Broadway and the American Musical, HU (3)

MUS 410 History of Women in Music, HU, C, H (3)

Electives (choose two of the following five courses) (6):

MUS 354 Elvis, HU (3)

MUS 354 Classic Rock: 1960-1975, HU (3)

MUS 354 Rock and Roll since 1975, HU (3)

MUS 354 Beatles, HU (3)

MUS 362 Rap Music and Hip-Hop Culture, HU, C (3)

*The online version of this course is required.

Notes: MHL, MTC, MUP courses may be accepted as electives if the appropriate prerequisites are met and with instructor approval. Music reading and notation skills are a prerequisite for the music minor.

Please note: MUS 131 Bach to Bebop is only offered during the fall semester.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Design & the Arts, Herberger Institute for

Dean, Herberger Institute for Design and the Arts

<http://music.asu.edu/students/undergrad/nonmajors.php>

MUSIC E167

herbergeradvising@asu.edu

480-965-5069

Music Performance Minor (HIMUSPMIN)

Campus: TEMPE

Description:

The minor or BIS concentration in music performance allows students who have a background playing an instrument or singing to continue their studies in music. The course work develops these skills through individual instrumental or vocal instruction and performance opportunities through various ensemble experiences. The program also includes the study of theoretical and historical elements of music. Students interested in pursuing the minor in music performance should contact the School of Music's Office of Academic Affairs for audition information and to schedule the audition.

Program Requirements:

The minor or BIS concentration requires 21 hours (12 upper division) in performance, history, theory and electives.

Core Required Courses (10):

MUP 121 Secondary or minor instrument instruction (1)

MUS 131 Bach to Bebop (3)

MUP 321 Secondary or minor instrument instruction (1)

MUP 400-level Ensembles (three semesters) (3)

choose one of the following:

a fourth semester of MUP 400-level ensembles; one semester of MUS 494 Urban Dance Music Ensemble (1) or one semester of MUS 294 Rock Band (3)

History (6):*

choose two of the following (upper division only):

MUS 340 Music for the Concert Hall, Stage, and Screen (3)

MUS 347 Jazz in America (3)

MUS 354 Classic Rock: 1950-1975 (3)

MUS 355 American Music (3)

MUS 356 Broadway and the American Musical (3)

MUS 362 Rap Music and Hip Hop Culture (3)

MUS 410 History of Women in Music (3)

Theory (3):

MUS 100 Fundamentals of Music Notation (3) or MTC 125 Basic Music Theory (3)

Electives (2)

MUP, MUS, MUE, MTC or MHL (upper-division only) (2)

TOTAL 21 (12 upper-division)

*MHL courses may be accepted if the appropriate prerequisites are met or with instructor approval.

Admission requirement: An audition is required for entrance into the minor or BIS concentration and MUP 121 study. Audition criteria are determined by area faculty and will be similar to the MUP 111 and MUP 311 criteria found in the Audition Requirements section on this webpage: <http://music.asu.edu/admissions/auditions/> (<http://music.asu.edu/admissions/auditions/>).

Enrollment Requirements:

Prospective students must successfully complete an audition for the faculty in the applicable instrument area. Audition criteria are determined by area faculty and will be similar to the MUP 111 and MUP 311 criteria found in the Audition Requirements section on this webpage: <http://music.asu.edu/admissions/auditions/> (<http://music.asu.edu/admissions/auditions/>).

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu/students/undergrad/nonmajors.php>
MUSIC E177A
MusicAdmissions@asu.edu
480-965-2534

Nonprofit Leadership and Management Minor (PPNLMMIN)

Campus: DTPHX

Description:

The minor in nonprofit leadership and management empowers students to positively impact the community in which they work. Course work introduces students to knowledge and skills for successful professional careers with nonprofit, social sector organizations that exist to improve the quality of life of communities. The nonprofit sector in the U.S. is unique in form and function, with more than 1.6 million organizations in the U.S. The minor is ideal for students enrolled in other degrees or majors at ASU who wish to earn a minor that concentrates on the management of nonprofit organizations. Students from such various disciplines as business, communication, education, global studies, museum studies, nursing, public affairs, religious studies, social work, sustainability and others find this program a beneficial supplement to their existing program as many find their career pathways from their degree occur within nonprofit organization forms. This program affords students the opportunity to start their pursuit of the National Certified Nonprofit Professional credential awarded through the Nonprofit Leadership Alliance (formerly American Humanics, Inc.). For more information about completing the CNP credential and requirements, please see the school website.

Program Requirements:

The minor requires 18 credit hours, 12 credit hours of required courses and six credit hours of elective courses.

Required Core Courses:

NLM 220 Introduction to Nonprofit Organizations (3)
NLM 300 Fundraising and Resource Development (3)
NLM 310 Volunteer Management (3)
NLM 430 Managing Nonprofit Organizations (3)

Electives (choose six elective credit hours from one of two blocks):

block A: choose this block if interested in the CNP credential:

NLM 320 Professional Development Seminar (4) (1 credit hour for 4 semesters)
NLM 420 Nonprofit Leadership Alliance Institute (2)

block B: choose two courses if interested in minor only, without CNP credential:

NLM 160 Voluntary Action and Community Leadership, SB (3)
NLM 380 Financial Management for Nonprofit Organizations (3)
NLM 435 Service Learning for Community Development (3)
PRM 486 Special Events Management (3)

Standards

- minimum "C" (2.00) grade required for all classes in the minor
- minimum GPA of 2.00 for those pursuing the minor; a major or premajor, other than BS in nonprofit leadership and management
- meet the curricular and cocurricular requirements (if also pursuing the CNP credential)
- 15 hours of graded classroom course work (no internship, no independent study)
- should be a junior to take 400-level classes
- no double counting of courses for both a major and the minor

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

Students wishing to pursue the nonprofit leadership and management minor should consult an academic advisor in the college or department of their majors to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a university minor may not count toward both the major degree and the minor. Students pursuing a bachelor's in nonprofit leadership and
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management are not eligible to complete this minor. Students pursuing the nonprofit leadership and management bachelor's degree, however, may earn the certified nonprofit professional credential along with their major upon successfully completing both curricular and cocurricular requirements (see advisor for details).

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-0550

Nutrition and Healthy Living Minor (NUNHLMIN)

Campus: DTPHX

Description:

The nutrition and healthy living minor will provide a greater understanding of how nutrition contributes to healthy lifestyles and disease prevention.

Program Requirements:

The minor requires completion of a minimum of 18 nutrition credit hours.

Required Classes (12):

NTR 241 Human Nutrition (3)

NTR 340 Applications in Human Nutrition (3)

NTR 341 Introduction to Planning Therapeutic Diets (3) OR NTR 345 Development of Healthy Cuisines (3)

NTR 450 Nutrition in the Lifecycle (3)

Upper-Division Electives (6):

select two courses from the following list:

NTR 320 History of Human Nutrition (3)

NTR 348 Cultural Aspects of Food (3)

NTR 350 Nutrition Counseling (3)

NTR 351 Nutrition and Health Communications (3)

NTR 353 The Western Diet: Food, History, and Sustainability (3)

NTR 444 Medical Nutrition Therapy (3)

NTR 453 Nutrition in the Media (3)

NTR 457 Sports Nutrition (3)

Additional prerequisites required for the above classes: CHM 101 (or CHM 113) and BIO 201.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<https://snhp.asu.edu/>
NH12

Organizational Leadership Minor (LSORGLMIN)

Campus: ONLNE

Description:

The minor in organizational leadership uses interdisciplinary methods that prepare students to become leaders in organizations. Students develop skills and knowledge that leaders need to solve problems, communicate effectively, assess programs, manage resources, and use emerging technologies in organizations. Students in the program will be prepared for a range of positions in government, health care administration, nonprofit agencies and the service industry.

Program Requirements:

The minor in organizational leadership requires 18 credit hours to complete including 12 upper-division and six lower-division credit hours. It is available to all majors. There are no prerequisite courses or requirements.

Students complete two required courses:

OGL 200 Introduction to Organizational Leadership (3)

OGL 300 Theory and Practice of Leadership (3)

Students may choose any four of the following elective courses as long as three courses are upper division.

OGL 220 Behavioral Dynamics in Organizations (3)

OGL 240 Introduction to Project Management (3)

OGL 260 Resource Allocation in Organizations (3)

OGL 321 Project Leadership, Strategy and Scope (3)

OGL 350 Diversity and Organizations (3)

OGL 355 Leading Organizational Innovation (3)

OGL 357 Assessment in Organizations (3)

OGL 360 Assessment of Leadership Effectiveness (3)

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor. A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<https://sls.asu.edu>
UASB 203
sls@asu.edu
480-965-1970

Parks and Protected Area Management Minor (PPPRMMINT)

Campus: DTPHX

Description:

As the Southwest continues to develop and urbanize, the demands and pressures on public lands and natural resources continues to grow. The interplay between society and natural resources is key to understanding modernity and continues to be at the center of policy issues and quality of life debates in the West. The minor in parks and protected area management introduces students to the role of parks and protected areas, with a focus on the unique issues faced by urban-proximate natural area managers. The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, education, nursing, public affairs, social work and many others might find this program a beneficial supplement to their existing program. Students interested in the parks and protected area management minor may also be interested in therapeutic recreation, available through the parks and recreation management program.

Program Requirements:

Completion of a parks and protected area management minor in the School of Community Resources and Development requires the following:

Required Core Courses (12):

PRM 120 Leisure and the Quality of Life, SB (3)

PRM 370 Public Lands Management (3)

PRM 380 Wilderness and Parks in America (3)

TDM 480 Sustainable Tourism (3)

Elective (choose one course from the following list):

CRD 301 Sustainable Communities (3)

PRM 340 Outdoor Survival (3)

PRM 470 Environmental Communication (3)

TDM 448 Heritage and Cultural Tourism (3)

TDM 494 Special Topics, as approved by a SCRD advisor (3)

Standards

- 15 hours of graded classroom course work (no internship, no independent study)
- 12 hours of course work at the upper-division level, from the approved list
- minimum grade of "C" (2.00) required for all classes in the minor
- no double counting of courses for a major and the minor
- minimum GPA of 2.00 for those pursuing the minor, a major or premajor, other than a bachelor's in parks and recreation management.
- should be a junior to take 400-level courses

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

Students wishing to pursue the parks and protected area management minor should consult an academic advisor in the college or department of their major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a university minor may not count toward both the major degree and the minor. Students pursuing the bachelor's in parks and recreation management major are not eligible to complete this minor.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-0550

Personal Health Minor (NPHLMIN)

Campus: DTPHX, ONLNE

Description:

This minor will allow students with academic interests that lie outside the realm of medical and health sciences to explore and learn the latest information related to healthy lifestyles, including the attainment and retention of a high quality of personal health. Students will gain the knowledge and skills necessary to optimize their personal health and assume increased responsibility for their own personal health and well-being. The minor reflects the interdisciplinary nature of personal health by including courses from the nutrition, exercise and wellness, and health sciences

disciplines.

Program Requirements:

Required minor courses (12):

EXW 325 Fitness for Life (3)

HSC 210 Cultural Aspects of Health, C (3)

HSC 300 Complementary Healthcare (3)

NTR 100 Introductory Nutrition (3)

Elective minor courses (6):

EXW 400 Stress Management for Wellness (3)

HSC 410 Supporting the Health of Older Adults (3)

HSC 412 Health Issues in Later Life (3)

HSC 435 Environmental Health Issues in the U.S. (3)

NTR 450 Nutrition in the Life Cycle, SB (3)

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Health Solutions, College of

School of Nutrition and Health Promotion

<https://snhp.asu.edu/>

MERCC 250

snhp@asu.edu

602-496-3300

Philosophy Minor (ASPHIMIN)

Campus: WEST

Description:

The philosophy minor is designed to provide students with an understanding of central philosophical issues. The minor provides students with:

- a capacity for critical thinking and analytical reasoning
- a knowledge of the most important problems and ideas in the philosophical areas studied
- the ability to present one's positions effectively through oral and written communication

Program Requirements:

The minor in philosophy consists of 18 credit hours of philosophy course work, of which 12 must be upper-division hours (300 or 400 level). Only courses in which the student earns a grade of "C" (2.00 on a scale of 4.00) or higher will fulfill requirements for the minor.

Courses are to be selected from the following list, in consultation with an advisor, to create a coherent and complete program of study:

IAS 410 Evolution of Ideas, L/HU (3)

IAS 430 Science and Religion, L/HU (3)

PHI 101 Introduction to Philosophy, HU (3)

PHI 103 Principles of Sound Reasoning, L/HU (3)

PHI 304 Existentialism, HU (3)

PHI 306 Applied Ethics, HU (3)

PHI 318 Philosophy of Religion, HU (3)

PHI 320 Bioethics, HU (3) or IAS 340 Bioethics, HU (3)
PHI 360 Business and Professional Ethics, HU (3)
PHI 391 Historical Perspectives on Philosophy and Religion (3)
PHI 406 Moral Dilemmas, L/HU (3) or IAS 406 Moral Dilemmas, L/HU (3)
PHI 407 Environmental Philosophy and Policy, L/HU (3) or IAS 407 Environmental Philosophy and Policy, L/HU (3)
PHI 408 Feminist Ethics, HU (3) or IAS 408 Feminist Ethics, HU (3)
PHI 494 Special Topics (3)
PHI 499 Individualized Instruction (3)

Enrollment Requirements:

Students wishing to pursue the philosophy minor should consult an academic advisor in the unit offering that minor to ensure the appropriate set of courses is taken. The student should also consult an academic advisor in the college, division or department of his or her major to make sure the minor is recognized and to have the minor added to the program of study.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/minors/philosophy-courses>
FAB N201
harcs.dept@asu.edu
602-543-4444

Philosophy Minor (LAPHIMIN)

Campus: ONLNE, TEMPE

Description:

The minor in philosophy provides students with an understanding of philosophical inquiry and method. The minor offers an introduction to central themes both in the history of philosophy and in the current literature. Minor students have the opportunity to sharpen their critical reasoning skills while addressing profound questions regarding the nature of:

- existence
- knowledge
- law
- morality
- politics
- science

Program Requirements:

A minor in philosophy consists of 18 credit hours, of which at least 12 must be upper-division and approved by an advisor in the School of Historical, Philosophical and Religious Studies. All courses must be passed with a minimum grade of "C" (2.00). No more than two courses may be taken in any one of the following philosophical subdisciplines:

- epistemology
- ethics and political philosophy
- history of philosophy
- logic
- metaphysics

Students should consult with an academic advisor in the School of Historical, Philosophical and Religious Studies about a proposed selection of courses before registering.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation providing the college (and, in certain colleges, the academic unit) of their major allows the official recognition of the minor and the academic unit of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met.

Students wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. Students should also consult with an academic advisor in the college or department of their majors to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the School of Historical, Philosophical and Religious Studies for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/undergrad/minors>
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

Physics Minor (LAPHYMIN)

Campus: TEMPE

Description:

Physics is concerned with the nature, structure and interactions of matter and radiation. Adding a physics minor to another major program of study provides a student with the fundamental scientific basis to address the most challenging opportunities faced in a student's career.

Program Requirements:

Required Courses (24)

Choose between the following course combinations:

PHY 150 Physics I, SQ (4) or

PHY 121 University Physics I: Mechanics, SQ (3) and PHY 122 University Physics Laboratory I, SQ (1)*

and

PHY 151 Physics II, SQ (4) or

PHY 131 University Physics II: Electricity and Magnetism, SQ (3) and PHY 132 University Physics Laboratory II, SQ (1)**

Also required:

PHY 252 Physics III, SQ (4)

PHY 361 Introductory Modern Physics (3)

two upper-division electives (to be selected with the approval of the physics advisor) (6)

one lab course: PHY 333 Electronic Circuits and Measurements (3) or PHY 334 Advanced Laboratory I (3)

*Both PHY 121 and PHY 122 must be taken to secure SQ credit.

**Both PHY 131 and PHY 132 must be taken to secure SQ credit.

A minimum of 12 upper-division credit hours are required to complete this minor.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
Department of Physics
<http://physics.asu.edu>
PSF 470
physics.info@asu.edu
480-965-3561

Physics Minor (LSPHYMIN)

Campus: POLY

Description:

The physics minor in the School of Letters and Sciences at the Polytechnic campus provides a rigorous foundation in physics with an emphasis on fundamental concepts and applied hands-on experience. It broadens and deepens students' understanding of their major and increases their options for graduate study and employment. The primary emphasis of the physics minor is to give students experience through applied and computational physics projects. The projects will be guided by faculty with expertise in the physics of semiconductors and graphene, quantum nano-optics, laser physics and materials science.

Program Requirements:

A minimum of 23 credit hours are required.

Required Minor Courses (14 credit hours minimum):

PHY 121 University Physics I: Mechanics, SQ (3)
PHY 122 University Physics Laboratory I, SQ (1)
PHY 131 University Physics 11: Electricity and Magnetism, SQ (3)
PHY 132 University Physics Laboratory II, SQ (1)
PHY 361 Introductory Modern Physics (3)
MAT 420 Scientific Computing (3)

Elective Minor Courses (6 credit hours minimum):

MAT 275 Modern Differential Equations, MA (3)
PHY 321 Vector Mechanics and Vibration (3)
PHY 331 Principles of Modern Electromagnetism (3)
PHY 456 Laser Optics (4)*

Required project research (individual projects under guidance of physics faculty) (3 credit hours minimum).

*Pending approval

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor. A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<https://sls.asu.edu>
WANER 101
sls@asu.edu
480-727-1526

Political Science Minor (ASPOLMIN)

Campus: WEST

Description:

The political science minor program is designed to help students gain an understanding of theory, practice and policy underlying political processes locally, nationally and internationally and to train students in research skills necessary for the analysis of complex sociopolitical issues locally and globally.

The program strives to meet these goals by offering students learner-centered course work in political theory, American political institutions and international relations and world affairs. These goals are accomplished by offering a flexible program of course work focusing on international urban, race or ethnic sociopolitical areas, internships and service-learning or action research opportunities. Under the direction of faculty, students focus on intellectual and concrete policy issues in the greater Phoenix metropolitan area, Arizona, the Arizona-Mexico borderlands, the Americas and the world.

Program Requirements:

The minor in political science consists of 18 credit hours in POS courses, 12 of which must be in upper-division courses.

Required Courses:

Select two from among the following:

POS 110 Government and Politics, SB (3) or POS 310 American National Government, SB (3)

POS 150 Comparative Government, SB, G (3)

POS 160 Global Politics, SB, G (3)

POS 210 Political Ideologies, SB (3)

Political science electives (12)*

*A maximum of three credit hours of internship and three credit hours of individualized instruction may be used to fulfill requirements.

Enrollment Requirements: The minor in political science is open to all ASU undergraduate majors. Students should consult an advisor in the department of their major to determine if the minor is consistent with their educational goals and determine if the major allows the recognition of the minor. A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken.

Please see the School of Social and Behavioral Sciences website at <http://newcollege.asu.edu/sbs/college-advising> (<http://newcollege.asu.edu/sbs/college-advising>) for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<http://newcollege.asu.edu/sbs/degrees/political-science-program>

FAB S105

SBSadvising@asu.edu

602-543-6058

Political Science Minor (LAPOSMIN)

Campus: ONLNE, TEMPE

Description:

The minor in political science offers students exposure to skills and knowledge that help them participate effectively as citizens in a democratic political system and flourish in the rapidly developing globalization of the world's political institutions, cultures and economies. The minor aims to provide students with an introduction to the tools and skills necessary to link theory with real-world problems and issues.

Program Requirements:

The minor in political science consists of 18 credit hours in political science courses, 12 credit hours of which must be upper-division courses.

Students who minor in political science must have two courses from among the following in addition to four political science electives:

POS 110 Government and Politics, SB (3) or POS 310 American National Government, SB (3) (but not both courses)

POS 150 Comparative Government, SB, G (3)

POS 160 Global Politics, SB, G (3)
POS 210 Political Ideologies, SB (3)

Students who minor in political science must have a minimum GPA of 2.00 for all courses that count toward the minor. Courses that count toward the minor must have a grade of "C" (2.00) or higher. No more than three credit hours of POS 484 Internship and three credit hours of POS 499 Individualized Instruction may be applied to the minor. A minimum of six upper-division credit hours must be taken in courses offered by the College of Liberal Arts and Sciences.

Enrollment Requirements:

Students who wish to pursue a minor in political science may do so with the permission of the department, school or college of their major as well as the advisor in the School of Politics and Global Studies. An ASU student who is pursuing a degree at any ASU campus may elect to add a minor offered at any other ASU campus.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
School of Politics and Global Studies
<https://pgs.clas.asu.edu/>
COOR 6797
spgs@asu.edu
480-965-6551

Psychology Minor (ASPGSMIN)

Campus: ONLNE, WEST

Description:

Psychology is the scientific study of the behavior and mental processes of individuals and groups. The study of psychology includes basic and applied courses in the subfields of clinical, developmental, organizational, cross-cultural and social psychology, cognitive systems and behavioral neuroscience. The psychology minor prepares students for more advanced study in psychology at the graduate level, in either graduate or professional schools. The program emphasizes the development of wide-ranging skills in critical thinking and reasoning, quantitative and qualitative research methods, working collaboratively on teams, and presentation of information in oral and written form.

Program Requirements:

The minor consists of 22 credit hours in psychology, including the following:

Foundations of Psychological Science
PSY 101 Introduction to Psychology, SB (3)
PSY 230 Introduction to Statistics, CS (3)
PSY 290 Research Methods, L/SG (4)
Social and Developmental Core

Choose one course from the following list:

PSY 315 Personality Theory and Research, SB (3)
PSY 341 Developmental Psychology, SB (3)
PSY 350 Social Psychology, SB (3)

Neuroscience Core

Choose two courses from the following list:*

PSY 320 Learning and Motivation (3)
PSY 323 Sensation and Perception (3)
PSY 324 Memory and Cognition (3)
PSY 325 Physiological Psychology (3)
PSY 330 Statistical Methods, CS (3)
PSY 369 Biology of Human Sexuality (3)
PSY 470 Psychopharmacology (3)

Psychology elective

PSY upper-division elective (3)

*At least one choice must be PSY 320, PSY 323, PSY 324 or PSY 325. A maximum of three credit hours of research (PSY 399 Supervised Research and PSY 499 Individualized Instruction) may be used to meet the minor requirements. PSY 484 Internship may be taken for elective credit only. All courses must be passed with a minimum grade of "C" (2.00 on a scale of 4.00) or higher.

Enrollment Requirements:

The minor in psychology is open to all ASU undergraduate majors. Students should consult an advisor in the department of their major to determine if the minor is consistent with their educational goals and to determine if the major allows the recognition of the minor. A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken.

Please see the School of Social and Behavioral Sciences website at <http://newcollege.asu.edu/sbs/college-advising> (<http://newcollege.asu.edu/sbs/college-advising>) for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/psychology-program>
FAB S105
SBSadvising@asu.edu
602-543-6058

Psychology Minor (LAPGSMIN)

Campus: TEMPE

Description:

The minor in psychology focuses on appreciating and understanding the human condition from a scientific, psychological point of view. Students completing the minor in psychology should possess breadth of knowledge pertaining to the major principles, theoretical approaches and findings in psychology.

They should also understand and be able to use basic research and quantitative methods in psychology and be able to gather and synthesize psychological findings.

Finally, they should be able to understand the relevance and applicability of psychological principles, approaches and findings to individual, group and social issues. In so doing, they will be prepared as educated citizens to pursue productive careers and engage on a daily basis with their increasingly complex, information-rich world.

Program Requirements:

The minor in psychology consists of completing the 22 credit hours of course work in the foundations of psychology and the breadth within psychology categories described below. Six credit hours of upper-division (300-499 level) psychology course work must be completed through courses offered by the College of Liberal Arts and Sciences, Department of Psychology.

Required Foundation Courses:

PSY 101 Introduction to Psychology - formerly PGS 101, SB (3)

PSY 230 Introduction to Statistics, CS (3)

PSY 290 Research Methods, L or SG (4)

Take one course each from four of the following five clusters:

Biological

PSY 325 Physiological Psychology (3)

Personality/Mental Health

PSY 315 Personality Theory and Research - formerly PGS 315, SB (3)

PSY 366 Abnormal Psychology - formerly PGS 466, SB (3)

Cognitive/Learning

PSY 320 Learning and Motivation (3)

PSY 323 Sensation and Perception (3)

PSY 324 Memory and Cognition (3)

Developmental

PSY 341 Developmental Psychology - formerly PGS 341, SB (3)

Social

PSY 350 Social Psychology - formerly PGS 350, SB (3)

PSY 351 Honors Social Psychology - formerly PGS 351, L or SB (3)

Note: If a non-psychology statistics course is approved by the psychology department to substitute for PSY 230 Introduction to Statistics, an additional psychology course must be taken to complete the 22 credit hours of required psychology course work. Internship credit and teaching assistant credit may not be used to satisfy this requirement. For more information, please contact a psychology advisor.

Enrollment Requirements:

Students who wish to pursue a minor in psychology may do so with the permission of the department, school or college of the major as well as the advisor in the Department of Psychology. An ASU student who is pursuing a degree at any ASU campus may elect to add a minor offered at any other ASU campus.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of

Department of Psychology

<http://psychology.clas.asu.edu/advising/meet-with-an-advisor>

PSY 255

psych.advisor@asu.edu

480-965-7258

Public Relations and Strategic Communications Minor (HSPRSMIN)

Campus: WEST

Description:

The minor in public relations and strategic communication uses a number of academic program options to prepare students to become professionals with highly effective communication skills in speaking, writing, cultural sensitivity, critical thinking, problem-solving, media literacy, audience analysis and conflict management.

Program Requirements:

The public relations and strategic communications minor will provide students with professional and academic expertise in persuasion and campaign communication, public relations, crisis communication, special-events planning, marketing, professional writing and editing (among other areas). Additionally, students will refine the presentation skills needed for public and community relations.

The minor consists of 18 credit hours of upper-division course work, including nine credit hours of required course work and nine credit hours of electives.

Required core courses, nine credit hours (choose three):

COM 319 Persuasion and Social Influence, SB (3)

COM 320 Communication and Consumerism, SB (3)

COM 353 Professional Communication (3)

COM 454 Rhetorical and Critical Approaches to Public Relations (3)

Elective courses, nine credit hours

COM 400 Communication in Professions, HU, C (3)

COM 414 Crisis Communication (3)

COM 429 Semiotics and Visual Communication (3)

COM 450 Theory & Research in Organizational Communication, SB (3)

COM 457 New Media (3)

COM 459 Theory and Methods of Social Media Networks (3)

COM 484 Internship*

ENG 301 Writing for Professions, L (3)

ENG 311 Persuasive Writing, L (3)

ENG 410 Writing for Publication (3)

ASB/POS/SBS/SOC 374 Internet Cultures and Politics (3)

Or any unused courses from "required course" list above.

*See academic advisor for additional information.

Enrollment Requirements:

The minor in public relations and strategic communications is open to all undergraduate majors. Students should consult the advisors in the department of their major to determine if the minor is consistent with their educational goals. A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken.

Please consult an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Please see the School of Social and Behavioral Sciences website at <http://newcollege.asu.edu/sbs/college-advising> (<http://newcollege.asu.edu/sbs/college-advising>) for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

All students are required to complete a minimum of six upper division credit hours offered by the School of Social and Behavioral Sciences.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<http://newcollege.asu.edu/sbs/degrees/public-relations-courses-minor>

FAB S105

SBSadvising@asu.edu

602-543-6058

Public Service and Public Policy Minor (PPPAFMIN)

Campus: DTPHX

Description:

The minor in public service and public policy prepares students for work in government at all levels and nonprofit organizations through comprehensive coverage of topics in public policy, public leadership and management and urban studies. Students discover the challenges of

management and learn how to lead a public organization and understand the process of policy development.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. The minor has an applied and professional focus which can enhance many other majors and will make students more competitive in securing public sector jobs.

Program Requirements:

The minor in public service and public policy requires 18 credit hours.

Required Courses:

PAF 200 Public Service and Policy in the 21st Century (3)

PAF 300 Public Management and Administration (3)

PAF 340 Contemporary Policy Challenges (3)

PAF 400 Senior Capstone Project (3)

Electives (select two courses from the following list):

PAF 201 Economics and Public Policy (3)

PAF 410 Building Leadership Skills, SB (3)

PAF 420 Public Leadership (3)

PAF 470 Topics in Public Economics and Financial Management (3)

PAF 471 Public Policy Analysis (3)

URB 300 Urban and Metropolitan Studies (3)

URB 305 Urban Governance (3)

Other related electives may be selected with advisor approval.

Enrollment Requirements:

A total of 12 credit hours must be taken in the School of Public Affairs at ASU. These include three of the required courses (PAF 300, PAF 340, and PAF 400) and one of the upper-division electives.

To earn the minor, students must complete all course work in the minor with a minimum grade of "C" (2.00) or higher.

Students wishing to pursue a minor should consult an academic advisor in the unit offering the minor to ensure the appropriate courses are taken. Students should also consult an academic advisor in the college or department of the major to ensure the college or department of the major recognizes the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Public Programs, College of

School of Public Affairs

<http://spa.asu.edu/programs/undergraduate/minors/pspp-minor>

UCENT 400

spa@asu.edu

602-496-0450

Real Estate Minor (BAREAMIN)

Campus: TEMPE

Description:

A minor in real estate is designed to provide an understanding of the real estate industry and to complement the major area of study. The minor consists of a strong foundation that includes real estate fundamentals, law, appraisal and land development. Students may choose from a variety of courses such as investing, economics and urban issues, to complement the foundation. Students who complete the minor will have established a competitive knowledge base for careers in the real estate industry.

Program Requirements:

Students must complete a minimum of 18 credit hours, including 12 hours of required courses and six credit hours of electives.

Students must complete a minimum of 12 hours of resident credit for the minor. All courses must be completed with a grade of "C" (2.00) or higher.

The upper-division business courses required or elected for this minor will be restricted to students with 56 earned credit hours, a minimum 2.50 ASU GPA and completed course prerequisites.

Upper-Division Courses:

REA 380 Real Estate Fundamentals (3)

REA 401 Real Estate Appraisal (3)

REA 411 Real Estate Law (3)

REA 441 Real Estate Land Development (3)

Elective Courses:

ALA 100 Introduction to Environmental Design, HU, H, G (3)

CON 472 Development Feasibility Reports, L (3)

GCU 361 Urban Geography, SB (3)

PUP 434 Economic Development Planning, L or SB (3)

REA 456 Real Estate Investments (3)

SGS 310 Global Urban Systems (3)

SOS 325 The Economics of Sustainability (3)

URB 300 Urban and Metropolitan Studies (3)

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Business, W. P. Carey School of

Department of Finance

<http://my.wpcarey.asu.edu/undergrad/academics/real-estate-minor.cfm>

BA 160

wpcareyug@asu.edu

480-965-4227

Recreation Management Minor (PPRECMIN)

Campus: DTPHX

Description:

The minor in recreation management introduces students to community recreation programming and planning for a variety of populations. The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, education, nursing, public affairs, social work and many others might find this program a beneficial supplement to their existing program. Students interested in the recreation management minor may also be interested in the school's therapeutic recreation program.

Program Requirements:

The recreation management minor requires completion of 15 credit hours, six credit hours of required courses and nine credit hours of elective courses.

Required core courses:

PRM 120 Leisure and the Quality of Life, SB (3)

PRM 303 Program Planning (3)

Electives (choose three courses from the following list):

CRD 302 Inclusive Community Development, C (3)

CSM 201 Introduction to Sports Management (3)

PRM 304 Recreation Planning and Facility Development, L (3)

PRM 315 Community Recreation Systems (3)

PRM/CSM 335 Sports and Recreation for Youth Development (3)

PRM 364 Foundations of Therapeutic Recreation, SB (3)

PRM 475 Entrepreneurial Recreation and Tourism (3)

PRM 486 Special Events Management (3)

PRM 494 Special Topics (3)

Standards

15 hours of graded classroom course work

- minimum "C" (2.00) grade required for all classes in the minor
- minimum GPA of 2.00 for those pursuing the minor, a major or premajor, other than parks and recreation management
- should be a junior to take 400-level courses
- no double counting of courses for a major and the minor

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

Students wishing to pursue the recreation management minor should consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a university minor may not count toward both the major degree and the minor. Students pursuing a bachelor's in parks and recreation management are not eligible to complete this minor.

Contact Information:

Public Programs, College of

School of Community Resources and Development

<http://scrd.asu.edu>

UCENT 550

scrd@asu.edu

602-496-0550

Religious Studies Minor (ASRELMIN)

Campus: WEST

Description:

The minor in religious studies introduces students to the world's religious traditions and how these are used by humans to interpret experiences and find meaning. Students learn to think critically about religious world views and presuppositions and to explore the relation to contemporary challenges in the world.

Program Requirements:

The minor in religious studies consists of 18 credit hours of religious studies course work, of which 12 must be upper-division hours (300 or 400 level). Only courses in which the student earns a minimum grade of "C" (2.00) can be counted toward the minor. Courses are to be selected in consultation with a program advisor to create a coherent and complete program of study for the minor.

Courses are to be selected from the following list, in consultation with an advisor, to create a coherent and complete program of study:

REL 200 The Study of Religious Traditions, (L or HU), G (3)

REL 201 Religion and the Modern World, L or HU (3)

REL 202 Religion and Popular Culture, HU, C (3)

REL 203 Saints and Sinners: Explorations in Sacred Biography, HU, H (3)

REL 205 Life, Sex, and Death, HU (3)

REL 207 Ritual, Symbol and Myth, L or HU (3)

REL 300 The Future of Religions, L or HU (3)

REL 310 Western Religious Traditions, HU, H (3)

REL 320 American Religious Traditions, HU, C, H (3)

REL 321 Religion in America, (L or HU), C, H (3)

REL 345 Asian Religious Traditions, HU, G (3)

REL 381 Religion and Moral Issues, L or HU (3)

REL 390 Women and Religion, HU, G (3)

REL 391 Historical Perspectives on Philosophy and Religion (3)

REL 401 Sacred Scriptures and Social Choices, HU, G (3)

Enrollment Requirements:

The minor in religious studies is open to all undergraduate majors. However, students should consult with the advisors in the department of their major to determine if the minor is consistent with their educational goals. Students are encouraged to take courses outside their major and college. Please contact the department for more information.

Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/minors/religious-studies-courses>
FAB N201
harcs.dept@asu.edu
602-543-4444

Religious Studies Minor (LARELMIN)

Campus: ONLNE, TEMPE

Description:

A minor in religious studies encourages students to engage in a comparative, cross-cultural exploration of religions and cultures that complements a variety of undergraduate majors while promoting a deeper understanding of human nature and interaction. Students may pursue the minor in religious studies with regional, national, hemispheric, global and a variety of thematic emphases.

Program Requirements:

The minor in religious studies consists of 18 credit hours, at least 12 of which must be in the upper division. At least six upper division hours must be in courses offered by the College of Liberal Arts and Sciences. All courses must be passed with a minimum grade of "C" (2.00). REL 207 Ritual, Symbol, and Myth (3) is required. For minor verification and assistance in course selection, students must consult an academic advisor in the School of Historical, Philosophical and Religious Studies.

Enrollment Requirements:

Students who wish to pursue a minor in religious studies may do so with the permission of the department, school or college of their major as well as an advisor in the School of Historical, Philosophical and Religious Studies.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college (and, in certain colleges, the academic unit) of the student's major allows the official recognition of the minor and the college and academic unit of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the School of Historical, Philosophical and Religious Studies for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.clas.asu.edu/religious_studies
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

Romanian Minor (LAROMMIN)

Campus: TEMPE

Description:

The minor in Romanian provides students with the means to develop their interests in social cultural and political matters that are marked by a strong language dimension. Students are encouraged to participate in a study abroad program to enhance their education and overall minor experience. For more information go to <https://international.clas.asu.edu/study-abroad/summer-programs> (<https://international.clas.asu.edu/study-abroad/summer-programs>).

Program Requirements:

The Romanian minor consists of 18 credit hours of ROM courses beyond ROM 201. This minor is structured so that it requires all ROM courses to be at the upper-division level (300 and above).

Required courses include:

ROM 313 Romanian Composition and Conversation (3)
ROM 314 Romanian Composition and Conversation (3)
ROM 411 Advanced Spoken and Written Romanian I (3)
ROM 412 Advanced Spoken and Written Romanian II (3)
ROM 494 Advanced Romanian Grammar (3)*
ROM 499 Individualized Instruction (3)

*Advanced Romanian Grammar I or II fulfills the requirement.

Requirements:

- A grade of "C" (2.00) or better is required in all courses to be counted toward the minor.
- A minimum of six upper-division hours in the minor must be taken in residence at ASU.
- Pass/Fail courses cannot be used for the minor.
- ROM 101 through 201 are not applicable to the minor.
- Course substitutions are permitted for heritage speakers and other advanced speakers of Romanian.

Enrollment Requirements:

Students who wish to add a minor in Romanian to the bachelor's degree program they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/undergrad/minors-certificates>
LL 440
silcadvising@asu.edu
480-965-6281

Russian Minor (LARUSMIN)

Campus: TEMPE

Description:

Students pursuing a minor in Russian gain novice to intermediate language skills and an understanding of the literature and cultures of Russian-

speaking peoples and regions. Russian is the fourth most spoken language in the world, after Chinese, English, and Spanish, and is the lingua franca of the former Soviet empire, with more than 300 million speakers worldwide. Students are encouraged to study abroad, which can serve to enhance a student's minor experience, education and job opportunities. Since the fall of the Soviet Union in 1991, Russian, other Slavic languages, and Central Asian languages remain strategic, critical languages, with government scholarships to study abroad, do research and internships and find jobs in government agencies.

The Russian language program cooperates with the Melikian Center for an interdisciplinary baccalaureate certificate in Russian, Eurasian, and East European Studies (REEES) for students in agribusiness, anthropology, architecture, economics, geography, history, political science, religious studies, Russian, sociology and women's studies.

Students are encouraged to study abroad for a semester or year in Moscow or St. Petersburg or in Kazan in the new ASU exchange program in Russian Language and Translation.

Program Requirements:

The Russian minor consists of 18 credit hours of Russian courses above RUS 202.

Required:

RUS 311 Russian Composition and Conversation, G (3)

RUS 312 Russian Composition and Conversation, G (3)

RUS electives above 202 level (12)

SLV 304 Computational Linguistics of Slavic Languages, CS (3) may be counted as a Russian course for purposes of the minor.

Enrollment Requirements:

Students who wish to add a minor in Russian to the bachelor's they are pursuing may do so by contacting the School of International Letters and Cultures advising office.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<https://international.clas.asu.edu/undergrad/minors-certificates>

LL 440

silcadvising@asu.edu

480-965-6281

Science, Technology and Society Minor (ECSTSMIN)

Campus: POLY

Description:

The science, technology and society program offers a minor to students outside the science, technology and society major, regardless of their major field of specialization. Living in a 21st-century world is characterized by rapid technological change and uncertainty. Mastering the intricacies of the interrelationships between technology and human systems will enhance a degree in any area and arm graduates with the insights and skills required for success in any endeavor.

Program Requirements:

The minor in science, technology and society (STS) requires:

- a minimum of six upper-division hours in the minor must be School of Letters and Sciences courses
- courses that count toward the minor must have a grade of "C" (2.00) or higher

- 18 credit hours of course work, 12 hours of which must be STS upper-division courses
- students who minor in STS must have a minimum GPA of 2.00 for all courses that count toward the minor

One course in general STS and one in internationalization are required to complete the minor as follows:

General: STS 101 Introduction to Science, Technology and Society, SB (3) OR STS 304 Science, Technology and Society, SB (3)

Internationalization: STS 110 Global Technology and Development, SB, G (3) or STS 317 Science, Technology and Global Engagement, SB, G (3)

The following are examples of courses available to complete the minor:

STS 301 Research in Science and Technology Studies, SB (3)
 STS 302 Philosophy of Science and Technology, SB (3)
 STS 303 History of Science and Technology, H (3)
 STS 305 Science and Social Theory, SB (3)
 STS 306 Social Effects of Science and Technology, SB (3)
 STS 318 Science, Technology and Government, SB (3)
 STS 325 Science, Technology and Public Policy, SB (3)
 STS 328 Science, Technology and Culture, SB (3)
 STS 329 Cultivating Technology in Newly Industrializing Countries, SB, G (3)
 STS 330 Information Technology and Globalization, SB, G (3)
 STS 331 Ethical Issues in Science and Technology, SB (3)
 STS 332 Seminar: Global Issues in Science and Technology, SB, G (3)
 STS 364 Science, Technology and National Security, SB (3)
 STS 425 Law, Values, Science and Technology, SB (3)

Enrollment Requirements:

A GPA of 2.00 or higher is required for all resident applicants and 2.50 for nonresident applicants.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Letters & Sciences, School of
 School of Letters and Sciences
<https://sls.asu.edu/>
 WANER 101
sls@asu.edu
 480-727-1526

Slavic Studies Minor (LASLVMIN)

Campus: TEMPE

Description:

This minor focuses on Slavic languages and cultures with a concentration in either Bosnian/Croatian/Serbian (BCS) or Polish. It is intended primarily for the students of other departments (e.g., history, cultural anthropology, music, political science, economics) whose professional interests lie in Poland or the countries of South-Eastern Europe. The program places equal emphases on languages, culture and regional studies. The minor develops limited professional linguistic proficiency in either BCS or Polish along with adequate cultural sensitivity.

Program Requirements:

The minor in Slavic Studies requires 18 credit hours, including a minimum of 12 upper-division hours.

Required Courses:

any 300- or 400-level RUS, SLV, PLC, or BCS literature or culture course (3)
 BCS 311 and BCS 312 Bosnian/Croatian/Serbian Composition and Conversation (6) OR
 PLC 311 and PLC 312 Advanced Polish (6)
 SLV 304 Computational Linguistics of Slavic Languages, CS (3)
 SLV 440 History of Slavic Languages, SB (3)
 SLV 498 Senior Capstone Seminar (3)

Notes for Minor

A grade of "C" (2.00) or better must be achieved in all courses to be counted toward the minor. A minimum of six upper-division hours in the minor

must be taken in residence at ASU. Course substitutions are permitted for heritage speakers and other advanced speakers of Slavic languages. Please contact the School of International Letters and Cultures for more information. Pass/fail courses cannot be used for the minor. No 201 and 202 language courses are applicable to the minor.

Enrollment Requirements:

Students who wish to add the minor in Slavic Studies to the degree they are currently pursuing may do so by contacting the School of International Letters and Cultures advising office.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/undergrad/minors-certificates>
LL 440
silcadvising@asu.edu
480-965-6281

Social Welfare Minor (LASSWMIN)

Campus: DTPHX

Description:

The social welfare minor prepares students for work in human service settings where a fundamental knowledge of human relations is required. It complements careers in journalism, communications, public administration, nursing and related fields and provides a foundation for students who seek to pursue an MSW. The minor enhances and broadens the ability of students to analyze complex family, individual and societal problems in the context of societal values, cultural diversity and other social and economic variables. The minor also contributes to students' understanding of society and social behavior, encourages critical thinking and helps develop communication skills.

Program Requirements:

Students should:

- be at sophomore standing to take 300- or 400-level courses
- complete 18 credit hours of graded course work (internship or independent study not applicable)
- complete a minimum of 12 credit hours of resident credit at ASU
- complete SWU 171 as the prerequisite for all upper-division SWU courses
- earn a grade of "C" (2.00) or higher for all classes in the minor
- maintain a cumulative GPA of 2.00 (4.00 scale) or higher
- meet with a social welfare advisor prior to registration
- take a minimum of 12 credit hours of upper-division course work from the approved list

Required Courses:

SWU 171 Introduction to Social Work, SB & H (3)
SWU 291 Social Service Delivery Systems (3)
SWU 432 Social Policy and Services (3)

Select three credit hours from the list below:

SWU 374 Diversity and Oppression in a Social Work Context, C (3)
SWU 455 Social Work Practice Skills with Latinos (3)
SWU 456 Immigrants and Refugees (3)
SWU 457 Southwest Borderland Immigration Issues (3)
SWU 461 Lesbian, Gay Bisexual, Transgender, and Queer Issues (3)

SWU 498 Spirituality and Helping Profession (3)
SWU 498 Border Family and Community Asset Building Policies (3)
SWU 494 Spanish for Human Services (3)

Select six credit hours from the following list:*

SWU 303 Micro Human Behavior and the Social Environment, L or SB (3)
SWU 340 Macro Human Behavior and the Social Environment, SB (3)
SWU 498 Pro-Seminar (3)

*Note: Student may select one additional course from the cultural diversity options above.

Lower-division credit hours required: 6
Upper-division credit hours required: 12

Total credit hours required: 18

Enrollment Requirements:

Please meet with a social welfare advisor prior to registration.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Public Programs, College of
School of Social Work
<http://ssw.asu.edu>
UCENT 800
social.work@asu.edu
602-496-0800

Social and Behavioral Sciences Minor (ASSBSMIN)

Campus: WEST

Description:

The minor offers students an interdisciplinary focus across several fields of the social and behavioral sciences, including communication, sociocultural anthropology, geography, political science, psychology and sociology.

Program Requirements:

The minor consists of 18 credit hours, at least 12 credit hours of which must be in upper-division courses and at least six credit hours taken from the New College of Interdisciplinary Arts and Sciences.

All courses must be completed with a minimum grade of "C" (2.00 on a scale of 4.00). Students wishing to pursue a minor must meet with an academic advisor in the School of Social and Behavioral Sciences to construct a minor that reflects a particular area of specialty and interest.

Required Courses:

SBS 200 Introduction to Social and Behavioral Sciences, SB (3)

select one additional course from the following list:

COM 308 Advanced Research Methods, L (3)
COM 309 Rhetorical, Interpretive and Critical Methods in Communication (3)
PSY 290 Research Methods, L or SG (4)
SBS 302 Qualitative Methods (3)
SBS 303 Quantitative Methods (3)
SOC 391 Research Methods, L or SB (3)

Electives (12)

A maximum of three semester hours of internship and three semester hours of individualized instruction may be used to fulfill requirements. Courses approved for the 12 credit hours in the minor would come from one of the approved themes from the major.

Enrollment Requirements:

The minor in social and behavioral sciences is open to all ASU undergraduate majors. Students should consult an advisor in the department of their major to determine if the minor is consistent with their educational goals and determine if the major allows the recognition of the minor. A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken.

Please see the School of Social and Behavioral Sciences website at <http://newcollege.asu.edu/sbs/college-advising> (<http://newcollege.asu.edu/sbs/college-advising>) for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/social-sciences-behavioral-sciences-program>
FAB S105
SBSadvising@asu.edu
602-543-6058

Sociocultural Anthropology Minor (ASASBMIN)

Campus: WEST

Description:

The minor is designed to provide students with a substantive understanding of the theoretical assumptions and methodological techniques underlying the field of sociocultural anthropology. Courses provide students with knowledge about and theoretical approaches to cross-cultural studies and transnational research, emphasizing culture and political economy in historical context. Specifically, students minoring in sociocultural anthropology will be expected to demonstrate knowledge and skill in the following areas:

- anthropological approaches to and explanatory frameworks for the study of social issues in culture and political economy
- application of theoretical knowledge to understanding sociocultural practices across local and global contexts
- awareness of cultural, ethnic, gender, sexual, class and age differences and commonalities across world social formations
- critical thinking and analytical reasoning
- development of their own anthropological perspective for use in their everyday lives and future studies or employment
- effective oral presentation and written communication
- interpretation of cultural practices, social theory and social texts
- qualitative research methods in anthropology and other social sciences and interpretive humanities, including ethnographic field research and library research

Program Requirements:

This minor requires 18 credit hours, at least 12 of which must be in upper-division courses.

Please complete ASB 311 and SBS 302 as they are required courses. The remaining 12 credit hours may be drawn from ASB courses and from several key SBS courses. All courses must be passed with a minimum grade of "C" (2.00) or higher. Up to six credit hours of lower-division courses and three credit hours of ASB 499 Individualized Instruction may also be applied toward the minor.

Complete two required courses (6 credit hours):

ASB 311 Principles of Social Anthropology, SB, G, H (3)

SBS 302 Qualitative Methods (3)

Choose four courses from the following list (12 credit hours):

ASB 102 Introduction to Cultural and Social Anthropology, SB, G (3)

ASB 211 Women in Other Cultures, HU or SB, G (3)

ASB 319 The North American Indian (3)

ASB 339 Grassroots Social Movements, SB (3)

ASB 340 Migration and Culture, SB, G (3)

ASB 342 Mexico-U.S. Borderlands, SB, C (3)

ASB 346 Marriage and Family Diversity, SB, C (3)

ASB 350 Anthropology and Art, HU (3)

ASB 353 Death and Dying in Cross-Cultural Perspective, HU or SB, G (3)

ASB 356 Central American Studies, SB, G (3)
ASB 374 Cultures and Politics of the Internet, SB (3)
ASB 389 Ethnographic Field Lab (1-6)
ASB 394 Special Topics (1-4)
ASB 440 Women in the Global Factory, SB, G (3)
ASB 442 Urban Anthropology, SB (3)
ASB 445 Globalization, Development and Resistance, SB, G (3)
ASB 447 Citizenship, Nationalism and Identity, SB, C (3)
ASB Electives (3)
SBS 301 Cultural Diversity, L or SB, C (3)
SBS 450 Topics in Local/Global, SB, G (3)
SBS 460 Urban Studies, SB (3)
SBS 480 Global Justice, G (3)

Enrollment Requirements:

The minor in sociocultural anthropology is open to all ASU undergraduate majors. Students should consult an advisor in the department of their major to determine if the minor is consistent with their educational goals and determine if the major allows the recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken.

Please see the School of Social and Behavioral Sciences website at <http://newcollege.asu.edu/sbs/college-advising> (<http://newcollege.asu.edu/sbs/college-advising>) for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/sociocultural-anthropology-courses-minor>
FAB S105
SBSadvising@asu.edu
602-543-6058

Sociology Minor (ASSOCMIN)

Campus: WEST

Description:

The sociology program provides students with an understanding of the theory, practice and policy underlying issues of social change, inequality and diversity. These issues are approached from multiple perspectives, including race or ethnicity, gender, economic position, age, geographic location and position in the global political economy.

The student minoring in sociology will learn how it enhances one's understanding of social realities and institutions at local, national and international levels, and how sociology contributes to the other social sciences and to the humanities.

Students gain a basic understanding of the assumptions underlying the discipline of sociology and develop the research skills necessary for analysis of complex social issues. These objectives are met by offering a flexible program and by providing the student with individual and group experiences in working with faculty members on concrete intellectual and policy issues.

Program Requirements:

The minor in sociology requires 18 credit hours in sociology, of which 12 hours must be upper-division courses.

Required Courses:

SOC 101 Introductory Sociology, SB (3)

select one course from the following list:

SBS 303 Quantitative Methods (3)
SBS 304 Social Statistics I, CS (3)
SOC 390 Social Statistics I, CS (3)
SOC 391 Research Methods, SB (3)

SOC 483 History of Social Thought, SB (3)
SOC 486 Contemporary Theory, SB (3)

Additional Sociology Electives (12)

Enrollment Requirements:

The minor in sociology is open to all ASU undergraduate majors. Students should consult an advisor in the department of their major to determine if the minor is consistent with their educational goals and determine if the major allows the recognition of the minor. A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken.

Please see the School of Social and Behavioral Sciences at <http://newcollege.asu.edu/sbs/college-advising> (<http://newcollege.asu.edu/sbs/college-advising>) for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/sociology-program>
FAB S105
SBSadvising@asu.edu
602-543-6058

Sociology Minor (LASOCMIN)

Campus: ONLNE, TEMPE

Description:

A minor in sociology from the School of Social and Family Dynamics exposes students to the basic course work and issues within the discipline. This program provides an exceptional balance to studies in psychology, communication, education, business and nursing.

Program Requirements:

The minor in sociology requires 18 hours, of which 12 hours must be upper-division courses. A minimum of six upper-division SOC courses must be completed from offerings on the Tempe campus. Required courses are:

SOC 101 Introductory Sociology, SB (3)
SOC 391 Research Methods, L, SB (3) OR
SOC 483 History of Social Thought, SB (3) OR
SOC 486 Contemporary Theory, SB (3)

12 credit hours of sociology (SOC) electives, of which a minimum nine credit hours must be upper-division

Enrollment Requirements:

Students who wish to pursue a minor in sociology may do so with the permission of the department, school or college of their major as well as the advisor in the School of Social and Family Dynamics. An ASU student who is pursuing a degree at any ASU campus may elect to add a minor offered at any other ASU campus.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the Academic Catalog Archive 2014-2015 781

year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
Sanford School of Social and Family Dynamics
<https://thesanfordschool.asu.edu/>
SS 144
email@thesanfordschool.org
480-965-6978

Spanish Minor (ASSPAMIN)

Campus: WEST

Description:

The Spanish minor consists of three emphases: language, literature and cultures. These emphases are integrated within the discipline and with other disciplines within the New College of Interdisciplinary Arts and Sciences.

The program also allows credit for internships in social and business agencies. This school-to-work experience, in addition to offering the student possible entry-level job opportunities, provides stimulating linguistic and cultural rewards outside the campus environment.

Program Requirements:

The minor in Spanish consists of 18 upper-division credit hours (300 or 400 level).

The following courses cannot be used to fulfill requirements for the minor:

SPA 313, Spanish Conversation and Composition, G (3) or SPA 315, Spanish Conversation and Composition for Bilinguals (3)

SPA 314, Spanish Conversation and Composition, G (3) or SPA 316, Spanish Conversation and Composition for Bilinguals (3)

Preparatory course work may not be used to satisfy minor requirements. Preparatory course work includes:

SPA 111, Fundamentals of Spanish (4)

SPA 201, Intermediate Spanish I, G (4)

SPA 202, Intermediate Spanish II, G (4) (or test equivalent to placement in Spanish composition)

SPA 313, Spanish Conversation and Composition, G (3) or SPA 315, Spanish Conversation and Composition for Bilinguals (3)

SPA 314, Spanish Conversation and Composition, G (3) or SPA 316, Spanish Conversation and Composition for Bilinguals (3)

Students must complete all course work in the minor with a grade of "C" (2.00) or better. No pass/fail credit may be used for minor requirements.

No course may be used to satisfy more than one of these requirements. Other courses must be approved by an advisor.

Enrollment Requirements:

Students wishing to pursue the Spanish minor should consult an academic advisor in the unit offering that minor to ensure the appropriate set of courses is taken. The student should also consult an academic advisor in the college, division or department of his or her major to make sure the minor is recognized and to have the minor added to the program of study.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/minors/spanish-courses>
FAB N201
harcs.dept@asu.edu
602-543-4444

Spanish Minor (LASPAMIN)

Campus: ONLNE, TEMPE

Description:

Students pursuing a minor in Spanish gain an understanding of the language, literature and cultures of Spanish-speaking peoples and regions.

There are opportunities to partake in study abroad programs, which can serve to enhance a student's minor experience and education. For more information go to <https://international.clas.asu.edu/studyabroad> (<https://international.clas.asu.edu/studyabroad>).

Program Requirements:

The minor in Spanish requires a minimum of 18 upper-division credit hours. Course substitutions are allowed for heritage and advanced speakers of the language.

Required Courses:

SPA 325 Introduction to Hispanic Literature, HU (3)

SPA 412 Advanced Conversation and Composition, G (3)

Choose two of the following courses:

SPA 425 Spanish Literature (to 1700), HU (3)

SPA 426 Spanish Literature (from 1700), HU (3)

SPA 427 Spanish American Literature (to 1880), L or HU (3)

SPA 428 Spanish American Literature (from 1880), L, G (3)

SPA 464 Mexican American Literature, HU or SB, C (3)

Choose one of the following courses:

SPA 471 Civilization of the Spanish Southwest, L or HU, C (3)

SPA 472 Spanish American Civilization, HU, H, G (3)

SPA 473 Spanish Civilization, HU or SB, G (3)

Choose one from the following courses:

SPA 319 Business Correspondence and Communication, G (3)

any SPA 400-level course

Enrollment Requirements:

Students who wish to add the minor in Spanish to the degree they are currently pursuing may do so by contacting the School of International Letters and Cultures advising office.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<https://international.clas.asu.edu/undergrad/minors-certificates>

LL 440

silcadvising@asu.edu

480-965-6281

Spanish Minor (LSSPAMIN)

Campus: DTPHX

Description:

The series of courses in this 18-credit-hour minor will help students hone Spanish communication skills and cultural knowledge to serve the needs of the U.S. Latino community in professional settings (i.e., education, social work, health care, criminology, journalism). The combination of

professionally focused courses and practical experience in this minor will enhance students' professional preparation for employment in positions that require advanced proficiency in Spanish and an in-depth understanding of U.S.-Latino culture.

Program Requirements:

Prerequisite: SPA 314/316 or permission of instructor.

Required Courses (12 credits)

SPA 394/317 Introduction to Spanish for the Professions (3)

SPA 404 Spanish in U.S. Professional Communities, C (3)

SPA 405 Latino Cultural Perspectives for the Professions, C (3)

SPA 484 Internship (3)*

Elective Course Options (six credits chosen from the following list)

SPA 403 Spanish Grammar and Stylistics for the Professions (3)

SPA 300- or 400-level Spanish courses focused on the professions (e.g., health care, business, medical or legal interpretation, journalism, social work, education, legal and justice studies, sustainability, engineering and urban planning) (3)*

All courses for this minor will require a minimum grade of "C" (2.00) or better to receive credit toward fulfilling minor requirements.

*Prerequisite: A minimum of 12 credit hours completed in this minor and permission of the instructor.

Enrollment Requirements:

For additional admission and registration requirements, please visit the school website.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Letters & Sciences, School of

School of Letters and Sciences

<https://sls.asu.edu/>

UCENT 300

sls@asu.edu

602-496-4000

Special Events Management Minor (HSEVNMIN)

Campus: DTPHX

Description:

The minor in special events management is designed to offer students a solid understanding of special event programming and management. In addition to the two-tiered special event course, which provides basic and advanced instruction as well as experiential learning opportunities through event production, students will be able to select electives to meet their interests.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, communication and many others find this program a beneficial supplement to their existing program. For more information, access the school's website.

Program Requirements:

The minor requires 15 credit hours, six credit hours of required courses and nine credit hours of elective courses.

Required Core Courses:

PRM 486 Special Events Management (3)

PRM 487 Advanced Special Events Management (3)

Electives (choose three courses from the following list):

NLM 300 Fundraising and Resource Development (3)

PRM 303 Program Planning (3)

PRM 304 Recreation Planning and Facility Development (3)

PRM 475 Entrepreneurial Recreation and Tourism (3)

PRM 484 Internship (3)

TDM 205 Introduction to Travel and Tourism, G (3)

TDM 345 Meeting and Convention Planning (3)

TDM 350 Tourism Marketing (3)

Standards

- 15 hours of graded course work (no independent study)
- minimum "C" (2.00) grade required for all classes in the minor
- minimum GPA of 2.00 for those pursuing the minor, a major or premajor, other than parks and recreation management or tourism development and management
- should be a junior to take 400-level courses
- no double counting of courses for a major and the minor

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

Students wishing to pursue the special events management minor should consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a university minor may not count toward the major degree and the minor. For example, students pursuing a BS in either parks and recreation management or tourism development and management are not eligible to complete this minor.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 500
scrd@asu.edu
602-496-0550

Speech and Hearing Science Minor (LASHSMIN)

Campus: TEMPE

Description:

The Department of Speech and Hearing Science offers an undergraduate minor in speech and hearing science. This is an academic program with emphasis on normal aspects of speech, language and hearing.

Program Requirements:

The required courses are listed below for your information, but students are strongly encouraged to visit an advisor from the Department of Speech and Hearing Science at ASU. The minor in speech and hearing science consists of 24 credit hours with the following classes required:

- SHS 105 Introduction to Human Communication Disorders (3)
- SHS 250 Introduction to Phonetics (3)
- SHS 310 Anatomical and Physiological Bases of Speech (3)
- SHS 311 Hearing Science (3)

choose one from the following:

- SHS 367 Language Science, SB (3)
- SHS 375 Speech Science (3)

The remainder of the credits must come from the following courses:

- SHS 401 Introduction to Audiology (3)
- SHS 402 Clinical Methods and Treatment of Communication Disorders (3)
- SHS 465 Speech and Language Acquisition, SB (3)
- SHS 470 Developmental Speech and Language Disorders (3)
- SHS 485 Acquired Speech and Language Disorders (3)
- SHS 496 Aural Rehabilitation (3)

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information at <https://shs.asu.edu/ug-minor> (<http://shs.asu.edu/ug-minor>).

Contact Information:

Health Solutions, College of
Department of Speech and Hearing Science
<https://shs.asu.edu/>
COOR 2211
shsadvise@asu.edu
480-965-2374

Statistics Minor (LASTAMIN)

Campus: TEMPE

Description:

The minor in statistics is recommended for students majoring in a variety of disciplines such as physics, engineering applications, business, economics and in the life and social sciences where the need for quantification in the analysis of phenomena is strong.

Program Requirements:

The minor in statistics consists of 18 to 20 credit hours.

Required courses:

MAT 271 Calculus with Analytic Geometry II, MA (4) or MAT 266 Calculus for Engineers II, MA (3)

MAT 272 Calculus with Analytic Geometry III, MA (4) or MAT 267 Calculus for Engineers III, MA (3)

MAT 300 Mathematical Structures, L (3)

STP 420 Introductory Applied Statistics, CS (3)

STP 421 Probability (3)

STP 427 Mathematical Statistics (3) or STP 429 Experimental Statistics, CS (3)

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult with an academic advisor in the college or department of his or her major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of Mathematical and Statistical Sciences
<http://math.asu.edu/>
PSA 211
math@asu.edu
480-965-7195

Studio Art Minor (HISTARTMIN)

Campus: TEMPE

Description:

The art minor or BIS concentration in studio art is designed for students who have an interest in studio arts but are pursuing another major. The program includes foundation art courses that address formal issues in art and upper-division courses that develop a conceptual basis for the student while increasing technical proficiency in one or more studio areas. Course work in art history, both lower and upper division, helps foster critical understanding of aesthetics and the production of art. The designated course work is flexible enough for students to concentrate in a single area of the studio arts or explore several mediums.

Program Requirements:

The minor requires 21 credit hours (12 upper-division) in studio art and art history, art education or a related area of study.

Core Studio (6)

Required:

ART 110 Drawing as Seeing and Thinking, HU (3)

complete one of the following: (3)

ART 112 2-D Design (3)

ART 113 Color (3)

ART 115 3-D Design (3)

ART 116 Introduction to Digital Media (3)

Studio Courses* (9)

choose three from the following courses:

ART 311 Drawing III (3)

ART 314 Life Drawing II (3)

ART 323 Painting II (3)

ART 327 Watercolor II (3)

ART 331 Sculpture II (3)

ART 333 Foundry Casting Methods (3)

ART 346 3-D Computer Imaging and Animation, CS (3)

ART 351 Intaglio I (3)

ART 352 Lithography (3)

ART 354 Screen Printing 1 (3)

ART 360 Ceramic Throwing (3)

ART 364 Ceramic Handbuilding I (3)

ART 365 Ceramic Handbuilding II (3)

ART 376 Woven Structures I (3)

ART 377 Surface Design (3)

ART 394 ST: Beginning Relief (1-4)

ART 394 ST: Ceramic Vessels (1-4)

ART 394 ST: Fantasy Figure Foam Carving (1-4)

ART 394 ST: Figurative Sculpture (1-4)

ART 394 ST: Maker Workshop (1-4)

ART 394 ST: Mixed Media: Collage (1-4)

ART 394 ST: Printmaking in Greece (1-4)

ART 394 ST: Slipcasting (1-4)

ART 427 Art on Paper (3)

ART 432 Neon Sculpture (3)

ART 439 Intermedia Studio (3)

ART 442 Art and Community (3)

ART 443 Intermedia Performance (3)

ART 445 Digital Processes for Printmaking (3)

ART 453 Experimental Printmaking: Expanding the Matrix (3)

ART 456 Fine Printing and Bookmaking I (3)

ART 458 Papermaking (3)

ART 459 Monoprinting (3)

ART 461 Polymer Plate Prints (3)

ART 494 ST: Artists' Books (1-4)

ART 494 ST: Blacksmithing (1-4)

ART 494 ST: Digital Compositing (1-4)

ART 494 ST: Drawing in Florence (1-4)
ART 494 ST: Enameling (1-4)
ART 494 ST: Foundry (1-4)
ART 494 ST: Illumination Systems (1-4)
ART 494 ST: Metalworking (1-4)
ART 494 ST: Photogravure (1-4)
ART 494 ST: Summer Foundry Workshop (1-4)

*Other ART 3XX/4XX courses may be taken if appropriate prerequisites are met or with instructor approval.

Art History (3)

choose one of the following:

ARS 101 Art from Prehistory Through Middle Ages, HU and H (3)
ARS 102 Art from Renaissance to Present, HU and H (3)

Art History, Art Education or Related Departmental Courses (3)

choose one of the following*:

ARA 311 Art Appreciation and Human Development, HU (3)
ARE 301 Studio Art and Human Development (3)
ARE 370 Teaching Visual Culture (3)
ARE 440 Interdisciplinary Art Education (3)
ARE 494 ST: Child Art Development (1-4)
ARE 494 ST: Multicultural Issues in Art Education (1-4)
ARS 310 The Renaissance in Tuscany (3)
ARS 340 Art in America, HU and H (3)
ARS 394 ST: Art and Myth of the Classical World (1-4)
ARS 394 ST: Ancient Art and Culture (1-4)
ARS 394 ST: Egyptian Art and Culture (1-4)
ARS 394 ST: Italian Baroque Art (1-4)
ARS 394 ST: Italian Renaissance Art (1-4)
ARS 394 ST: Medieval Art (1-4)
ARS 402 Art of Ancient Egypt, HU and H (3)
ARS 404 Greek Art, HU and H (3)
ARS 406 Roman Art, HU and H (3)
ARS 414 Romanesque Art, HU and H (3)
ARS 417 Late Gothic Art in Central Europe (3)
ARS 418 German Renaissance and Reformation Art, HU (3)
ARS 432 19th-Century French Art and Culture, HU and H (3)
ARS 435 The Pre-Raphaelites (3)
ARS 437 British Culture and Empire (3)
ARS 438 Art of the 20th Century I, HU and H (3)
ARS 439 Art of the 20th Century II, HU and H (3)
ARS 440 Identity and World Film (3)
ARS 465 Native Art of North America, HU, C and H (3)
ARS 466 Native American Art of the Southwest, HU, C and H (3)
ARS 468 Art of the Arctic and Northwest Coast, HU, C and H (3)
ARS 472 Art of China, HU (3)
ARS 473 Art of Japan, HU (3)
ARS 475 Chinese Painting, HU (3)
ARS 484 Internship
ARS 494 ST: Contemporary Mexican Photography (1-4)
ARS 494 ST: History of Mexican Photography (1-4)
ARS 494 ST: Latinas in the Visual Arts (1-4)
ARS 494 ST: Mestizaje/Guadalupe in Art (1-4)

*Other ARA/ARE/ARS 3XX/4XX may be taken if appropriate prerequisites are met or with instructor approval.

TOTAL 21 Credit Hours (12 upper-division)

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that
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accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor. Please contact the department for more information.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu>
CDS 101
herbergeradmissions@asu.edu
480-965-4495

Sustainability Minor (SUSUSMIN)

Campus: ONLNE, TEMPE

Description:

Students in the sustainability minor will learn about the concept of sustainability and how it may be used to develop solutions to pressing issues affecting society, organizations and the world. The minor introduces sustainability principles and explains how sustainability can be applied to all academic disciplines and professional fields. Students will explore the challenges of sustainability within human institutions, organizations, cultures and technology, and in local, national and international contexts. The minor is intended to draw from and inform any major in the university.

Program Requirements:

The sustainability minor requires 18 credit hours of study, at least nine of which must be upper-division courses. The program includes six credit hours of required core courses, six credit hours of required theme courses, and six credit hours of upper-division, sustainability-related electives from the student's major.

Required Core Courses:

SOS 100 Introduction to Sustainability, G (3)
SOS 300 Advanced Concepts and Integrated Approaches in Sustainability (3)

Required Theme Courses:

two courses at the 100 or 200 level, each one from a different sustainability theme area (6)

Courses for the following theme areas can be found on the School of Sustainability website (see

<http://schoolofsustainability.asu.edu/undergraduate/sustainability-minor/index.php>

(<http://schoolofsustainability.asu.edu/undergraduate/sustainability-minor/index.php>)):

- coupled human-environment systems
- earth systems
- human transformation of the earth
- social, political and economic treatment of natural resources and environment

Upper-Division, Sustainability-Related Electives:

two courses that are sustainability related and ideally make a connection between the student's major and the minor (6)

Students should consult with their major advisor for course selection. Possible courses for these electives can be explored at

<http://schoolofsustainability.asu.edu/undergraduate/undergraduate-courses.php>

(<http://schoolofsustainability.asu.edu/undergraduate/undergraduate-courses.php>), but still need to be approved by an academic advisor.

Enrollment Requirements:

Students who wish to declare a minor in sustainability should obtain advisor approval from the department, school or college of their major. The sustainability minor is available to students pursuing a major outside of the School of Sustainability.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. For example, this minor is not available to business students

pursuing the sustainability concentration.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Sustainability, School of
School of Sustainability
<http://schoolofsustainability.asu.edu/undergraduate/sustainability-minor>
WGHL 108
sustainabilityminor@asu.edu
480-727-6963

Sustainable Tourism Minor (PPTDMSMIN)

Campus: DTPHX

Description:

As sustainability expands in popularity as a discipline, students are looking to find ways to better understand how they can apply the principles of sustainability to specific areas of interest. A minor in sustainable tourism development will allow students from any major to learn the basic concepts and theories of tourism development and management and help them identify ways in which tourism can contribute to sustainable development, locally and globally.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as sustainability, business and many others will find this program a beneficial supplement to their existing program. Students may also choose to complete a study abroad program.

Program Requirements:

The minor requires a total of 15 credit hours, 12 credit hours of required courses and three credit hours of elective.

Required Core Courses:

TDM 205 Introduction to Travel and Tourism, G (3)
TDM 372 Tourism Planning, L (3)
TDM 458 International Tourism, G (3)
TDM 480 Sustainable Tourism (3)

Elective Courses (choose one from the following list):

PRM 475 Entrepreneurial Recreation and Tourism (3)
TDM 394/494 Special Topics (3)
TDM 448 Heritage and Cultural Tourism (3)
TDM 481 Sustainable Food Management in Tourism (3)
TDM 482 Sustainable Revenue Management in Tourism (3)

Standards:

- 15 hours of graded classroom course work (no internship, no independent study)
- minimum "C" (2.00) grade required for all classes in the minor
- minimum GPA of 2.00 for those pursuing the minor; a major other than tourism development and management
- should be a junior or higher to take 400-level courses
- no double counting of courses for a major and the minor

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, a student may have that accomplishment officially recognized on the ASU transcript at graduation if the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue the sustainable tourism minor should consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a university minor may not count toward both the major degree and the minor. For example, students pursuing a BS in tourism development and management are not eligible to complete this minor.

Contact Information:

Public Programs, College of
College of Public Programs
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-0550

Theatre Minor (FATHEMIN)

Campus: TEMPE

Description:

Students pursuing the theatre minor will study the literatures, histories and basic production practices of theatre while having opportunities to concentrate in an area such as:

- design and production
- directing and performance
- new work development
- theatre and performance studies
- theatre for youth

Program Requirements:

The school offers a minor in theatre consisting of 22 credit hours of course work (nine credit hours must be upper-division). A grade of "C" (2.00) or higher is required for all courses in the minor. All prerequisites for the minor courses must be met (see course listings). Transfer students may transfer up to nine credit hours toward the minor.

The following courses are required, for a total of 13 credit hours:

FMP 201 Film: The Creative Process I, HU (3)*

THE 100 Introduction to Theatre, HU (3)

THE 322 Theatre History and Culture, HU, H (3)

THF 101 Acting Introduction (3)

THP 201 Theatre Production Crew (1)

*Students considering a minor in film concurrently must complete an additional course in theatre or film to make up for the overlapping FMP 201 course (and THF 101, if taken for the filmmaking practices concentration).

Also required are nine credit hours of upper-division course work related to theatre. Choose from courses with the FMP, THE, THF or THP prefix. Contact the school for options and course requirements.

Courses ordinarily limited to majors only are available to minors on a second-priority basis; that is, minors may not register for these courses early but are allowed to register after all majors' needs have been met.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Design & the Arts, Herberger Institute for
School of Film, Dance and Theatre
<http://theatreilm.asu.edu>
GHALL 232

Tourism Development and Management Minor (PPTDMMIN)

Campus: DTPHX

Description:

The minor in tourism development and management provides students with the planning and development skills needed to enter the largest industry in the world. Exposure to the businesses of sustainable tourism, heritage tourism and meeting and convention planning will begin to prepare students for successful careers in the fast-growing travel and tourism industry. According to the World Tourism Organization and the World Travel and Tourism Council, the travel and tourism industry is the largest industry and employer in the world. It is the third largest industry in the United States and ranks as the second largest industry in Arizona.

The minor allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from such various disciplines as business, communication and many others find this program a beneficial supplement to their existing program. Having completed the minor in tourism development and management, a student may also complete a certificate in convention sales and meeting planning. For more information, access the school's website. Students may also choose to participate in a study abroad program.

Program Requirements:

The tourism development and management minor requires 15 credit hours, six credit hours of required courses and nine credit hours of elective courses.

Required Core Courses:

TDM 205 Introduction to Travel and Tourism, G (3)

TDM 480 Sustainable Tourism (3)

Elective Courses (choose three from the following list):

CSM 481 Sports Tourism (3)

PRM 486 Special Events Management (3)

TDM 225 Introduction to Resort and Hotel Management (3)

TDM 345 Meeting and Convention Planning (3)

TDM 350 Tourism Marketing (3)

TDM 386 Convention Sales and Planning

TDM 394/494 Special Topics (3)

TDM 415 Tourism Transportation Systems (3)

TDM 448 Heritage and Cultural Tourism (3)

TDM 458 International Tourism, G (3)

Standards:

- 15 hours of graded classroom course work (no internship, no independent study)
- minimum "C" (2.00) grade required for all classes in the minor
- minimum GPA of 2.00 for those pursuing the minor, a major or premajor, other than tourism development and management
- should be a junior to take 400-level courses
- no double counting of courses for a major and the minor

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor. Students wishing to pursue the tourism development and management minor should consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a university minor may not count toward both the major degree and the minor. For example, students pursuing a BS in tourism development and management are not eligible to complete this minor.

Contact Information:

Public Programs, College of

College of Public Programs

<http://scrd.asu.edu>

UCENT 550

scrd@asu.edu

602-496-0550

Transborder Chicana/o and Latina/o Studies Minor (LATCLMIN)

Campus: TEMPE

Description:

The School of Transborder Studies offers an interdisciplinary degree program with a central mission of providing a value-added environment that increases the direct participation of Chicana/o and Latina/o populations in the formation of human and capital development.

The program offers students a fundamental understanding of the many dimensions of transnational and transborder processes. These include giving students the knowledge necessary to understand the manner in which Chicana/o, Mexican and Latina/o populations are influenced by, and also negotiate in, political, social, cultural and linguistic borders of multiple sorts.

An equally important dimension is the preparation of students to effectively function in transnational and transborder contexts and processes. Graduates will be able to traverse political borders because capital expansion is practically unlimited in time and space. Students gain skill at developing literary, policy and applied projects that benefit their communities and regions.

Program Requirements:

The transborder Chicana/o and Latina/o studies minor requires 18 credit hours of TCL course work.

Core Requirements:

TCL 201 Transborder Society and Culture I: Interdisciplinary Approaches, HU, C (3) OR

TCL 202 Transborder Society and Culture II: Contemporary Issues, SB, C (3) AND

TCL 332 Mexican American History Since 1900, SB, H, C (3)

Students must take the remaining 12 credit hours in upper-division TCL courses in concentrations of their choice.

Enrollment Requirements:

Students who wish to pursue a minor in Transborder Chicana/o and Latina/o studies may do so with the School of Transborder Studies. An ASU student who is pursuing a degree at any ASU campus may elect to add a minor offered at any other ASU campus.

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of

School of Transborder Studies

<http://sts.asu.edu/>

INTDSB 165

sts.info@asu.edu

480-965-5091

Urban Planning Minor (ARPUPMIN)

Campus: TEMPE

Description:

The planning minor introduces students to the field of urban planning. Students can select courses that include:

- administration
- comprehensive planning
- planning law
- public policy formulation
- site planning

- socioeconomic and environmental analysis
- urban design

Many students continue to specialize in planning at the graduate level. Students in planning are exposed to the theories, methods and practices of the profession.

Program Requirements:

A minimum of 18 credit hours are required for the minor, at least 12 of which must be upper-division.

Required Course:

PUP 301 Introduction to Urban Planning, L (3)

The remaining 15 credit hours (at least nine of which must be upper-division) must be chosen from among the following courses:

PUP 190 Sustainable Cities, HU/SB, G (3)

PUP 200 Cities in Cinema, HU, H, G (3)

PUP 363 History of Planning (3)

PUP 410 Public Participation in Planning (3)

PUP 412 History of the City, L/HU, H (3)

PUP 420 Theory of Urban Design, HU (3)

PUP 425 Urban Housing Issues (3)

PUP 430 Transportation Planning and the Environment (3)

PUP 432 Planning and Development Control Law (3)

PUP 433 Zoning Ordinances, Subdivision Regulations and Building Codes (3)

PUP 436 City Structure and Planning (3)

PUP 442 Environmental Planning (3)

PUP 444 Preservation Planning (3)

PUP 445 Women and Environments, C (3)

PUP 452 Ethics and Theory in Planning, L (3)

PUP 465 Sustainable Urbanism (3)

PUP 484 Internship (1-12)

PUP 485 International Field Studies, G (1-12)

PUP 494 Special Topics (1-4)

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of

School of Geographical Sciences and Urban Planning

<http://geoplan.asu.edu/>

COOR 5671

geoplan@asu.edu

480-965-7533

Urban and Metropolitan Studies Minor (PPURBMIN)

Campus: DTPHX

Description:

The minor in urban and metropolitan studies offers students interested in the urban environment the opportunity to explore the wide variety of issues that influence the quality of life in urban communities. Students are encouraged to learn about cities as historical, social, cultural, economic and political phenomena in order to gain a strong understanding of the complex relationships that contribute to the problems and opportunities of urban living. As the population in the state's urban areas continues to grow, so will the demand for leaders who are skilled in new and innovative

ways with which to address the challenges such growth generates. The program allows students enrolled in other undergraduate programs at ASU to broaden their educational experiences. Students from various disciplines such as planning, business, political science, nonprofit management and leadership, communication, social work, geography and many others might find this program a beneficial supplement to their existing program.

Program Requirements: • 12 hours of residence credit at ASU

- 15 hours of course work with a "C" (2.00 on a scale of 4.00) or better in each course
- nine hours of upper-division course work from the approved list

Eligibility to pursue the minor requires a major other than urban and metropolitan studies.

Required Courses:

URB 300 Urban and Metropolitan Studies (3)

URB 305 Urban Governance (3)

Core courses (choose two of the following):

URB 220 Introduction to Urban America (3)

URB 240 Urban Policy, C (3)

URB 302 Urban Theory (3)

PAF 302 Public Service Research Methods (3)

PAF 410 Building Leadership Skills, SB (3) Urban Electives (select a combination of courses from the following prefixes): URB, PAF, POS, PUP, GPH, GCU, MGT, HST, SBS, SOS, ASB, SOC, WST, TWC, COM, CRJ, SWU, NLM, TDM, PRM

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

Students wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure an appropriate set of courses is taken. Students should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Public Programs, College of

College of Public Programs

<https://spa.asu.edu/programs/undergraduate/minors/ums-minor>

UCENT 400

spa@asu.edu

602-496-0450

Wellness Foundations Minor (ECEXWMIN)

Campus: DTPHX

Description:

The exercise and wellness program offers this minor program to any ASU student interested in learning about health and wellness. Students will develop a greater understanding of the behavioral, psychological, social, cultural and environmental factors that impact personal wellness behaviors, healthy lifestyles and disease prevention to assist them in developing enhanced personal wellness. This course of study does not prepare students to pursue national certifications for professional practice in fields of study related to health, fitness and wellness.

Program Requirements:

The minor in wellness foundations consists of 18 credit hours. The minor requires that students complete the following courses with a grade of "C" (2.00 on a scale of 4.00) or higher:

EXW 100 Introduction to Health and Wellness (3)

EXW 325 Fitness for Life (3)

EXW 450 Social Determinants of Health and Health Behavior (3)

HSC 210 Cultural Aspects of Health (3)

HSC 300 Complementary Healthcare (3)

one elective (3)

EXW Elective:

three credit hours must be selected from the following approved list of electives:

EXW 344 Physical Activity in Health and Disease (3)
EXW 350 Substance Abuse and Addictive Behavior (3)
EXW 380 Body Image and Wellness (3)
EXW 400 Stress Management for Wellness (3)
NTR 100 Introductory Nutrition OR NTR 241 Human Nutrition (3)
NTR 345 Development of Healthy Cuisines (3)
NTR 348 Cultural Aspects of Food (3)
NTR 353 The Western Diet: Food, History, and Sustainability (3)

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<https://snhp.asu.edu/>
MERCC 250
healthpromotion@asu.edu
602-496-3300

Women and Gender Studies Minor (ASWSTMIN)

Campus: WEST

Description:

The minor in women and gender studies, within the New College of Interdisciplinary Arts and Sciences, is an interdisciplinary program emphasizing intersectional approaches to the study of gender, race, class, ethnicity and sexuality in national and transnational contexts.

Program Requirements:

The women and gender studies minor consists of 18 credit hours of course work, of which 12 credit hours must be upper-division (300 or 400 level).

Core Requirements (12 credit hours):

HRC 310 Social and Cultural Studies: Method and Theory (3)
HRC 480 Capstone: Practices and Approaches (3)
WST 100 Women, Gender and Society, SB, C (3) or WST 300 Women and Gender in Contemporary Society, SB, C (3)
WST 276 Wave on Wave: Survey of U.S. Women's Movements, H (3)

WST elective course work (6 credit hours)

Enrollment Requirements:

Students wishing to pursue the women and gender studies minor should consult an academic advisor in the unit offering that minor to ensure the appropriate set of courses is taken. The student should also consult an academic advisor in the college, division or department of his or her major to make sure the minor is recognized and to have the minor added to the program of study.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Please contact the division for more information. The Academic Affairs Manual (ACD 305-12) regulates undergraduate academic minors and expressly forbids double counting of courses between majors and minors.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/minors/women-studies-courses>
FAB N201
harcs.dept@asu.edu
602-543-4444

Women and Gender Studies Minor (LAWSTMIN)

Campus: ONLINE, TEMPE

Description:

The minor in women and gender studies provides students with an intensive interdisciplinary liberal arts education that enables them to write well, think critically and analyze problems effectively. Students take a variety of courses, including a capstone seminar requiring original research and writing plus an internship that helps them prepare for life after college. Original undergraduate research is encouraged, and some courses involve students studying community problems and formulating policy solutions.

Program Requirements:

The women and gender studies minor consists of 18 credit hours, 12 of which must be upper-division. A minimum "C" grade or higher is required. At least 12 of the 18 hours must be upper-division.

Students take one of the following courses (3 credit hours):

WST 100 Women, Gender and Society, SB, C (3) or WST 300 Women and Gender in Contemporary Society, SB, C (3)

Students choose one from the following courses (3 credit hours):

WST 377 History of American Feminist Thought, H, C (3)

WST 378 Global Feminist Theory, L, C, G (3)

WST 380 Race, Gender and Class, SB, C (3)

Twelve additional credit hours of women and gender studies electives must be taken and can be selected from any WST-prefix course.

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college or department of the minor officially certifies, through established verification procedures, that all requirements for the minor have been met and the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

A student wishing to pursue a specific minor should consult an academic advisor in the unit offering that minor to ensure that an appropriate set of courses is taken. The student should also consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a minor may not count toward both the major degree and the minor. Please contact the department for more information.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://sst.clas.asu.edu/women-and-gender-studies>
WILSN 125
SST@asu.edu
480-965-7682

Youth Services Leadership Minor (HSYSLMIN)

Campus: DTPHX

Description:

The minor in youth services leadership is designed to explore the area of youth leadership from the perspective of those who work face-to-face with youth in a variety of settings. The minor allows students enrolled in a variety of undergraduate programs at ASU to broaden their knowledge of youth services. Students from programs such as education, nursing, social work, criminal justice and others may find this program a beneficial supplement to their existing program.

Program Requirements:

The minor requires 15 credit hours, three credit hours of required courses and 12 credit hours of elective courses.

Required Core Course:

PRM 303 Program Planning (3)

Elective Courses (choose four from the following list):

CRJ 204 Juvenile Justice (3)

CRJ 462 Gangs (3)

NLM 220 Introduction to Nonprofit Organizations (3)

NLM 310 Volunteer Management (3)

PRM 302 Inclusive Community Development (3)

PRM 364 Foundations of Therapeutic Recreation, SB (3)

PRM 394/494 Special Topics (3)

PRM/NLM 451 Grant Writing (3)

PRM 486 Special Events Management (3)

Standards:

- 15 hours of graded classroom course work (no internship, no independent study)
- minimum "C" (2.00) grade required for all classes in the minor
- minimum GPA of 2.00 for those pursuing the minor, a major or premajor, other than tourism development and management
- should be a junior to take 400-level courses
- no double counting of courses for a major and the minor

Enrollment Requirements:

Students in most majors may pursue one or more minors and, upon successful completion of the prescribed course work, have that accomplishment officially recognized on the ASU transcript at graduation if the college (and, in certain colleges, the department) of the student's major allows the official recognition of the minor.

Students wishing to pursue the youth services leadership minor should consult an academic advisor in the college or department of the major to make sure the college or department of the major allows the recognition of the minor.

Note: Certain major and minor combinations may be deemed inappropriate either by the college or department of the major or minor. Courses taken as part of a university minor may not count toward both the major degree and the minor.

Contact Information:

Public Programs, College of

School of Community Resources and Development

<http://scrd.asu.edu/>

UCENT 550

scrd@asu.edu

602-496-0550

Undergraduate Programs

Undergraduate Certificates (Program Descriptions and Requirements)

Actuarial Science Certificate (LAACTCERT)

Campus: TEMPE

Description:

Actuarial science is an area of mathematical and statistical science that requires expertise in specializations of probability and interest theory, coupled with a strong foundation in accounting, finance and economics. This certificate provides students with preparation for professional actuarial credentialing exams offered by the Society of Actuaries and the Casualty Actuarial Society.

Program Requirements:

Students must complete a minimum of 15 credit hours of course work from the ACT classes listed below. Course prerequisites include: 3.00 GPA minimum, and B or better in Multivariate Calculus, Linear Algebra, Introductory Statistics and Computer Programming course work (completed at ASU or an equivalent institution).

ACT 310 Mathematics of Finance (4)
ACT 415 Probability for Risk Management (3)
ACT 430 Mathematics of Financial Derivatives (3)
ACT 440 Life Contingencies I (3)
ACT 441 Life Contingencies II (3)
ACT 450 Actuarial Models and Modeling I (3)
ACT 451 Actuarial Models and Modeling II (3)

Enrollment Requirements:

Although no specific degree is required for admission to the actuarial science certificate, a strong mathematical background is essential (found in majors including mathematics, statistics, engineering and natural sciences). Students with a major or degree other than those listed will require additional preparation beyond the certificate. Students are required to have a 3.00 cumulative GPA minimum and "B" or better in Multivariate Calculus, Linear Algebra, and Introductory Statistics at ASU or an equivalent institution.

Students admitted to study at Arizona State University are eligible to pursue the requirements of a certificate. In order to be admitted to the university, complete the Office of Admission online application. Please contact the unit for additional information.

Contact Information:

Liberal Arts & Sciences, College of
School of Mathematical and Statistical Sciences
<http://math.asu.edu>
PSA 211
math@asu.edu
480-965-7195

African and African American Studies Certificate (LAAFRCERT)

Campus: TEMPE

Description:

The certificate program examines the culture, arts, history, politics, economics and current status of African Americans, Africans and the African diaspora, especially in the Caribbean, Central America and South America. The goal is prepare students for lifelong learning, advanced study in a variety of fields and successful careers and productive public service in an increasingly diverse society, especially in Arizona.

Program Requirements:

Students will be required to complete 24 credit hours. Six credits will be a prescribed core and the remaining 18 elective hours will be selected from the program prefix (AFR).

Required Certificate Core Course:

AFR 200 Introduction to African and African Diaspora Studies, SB, G, H (3)

Elective Core Course: (choose one course)

AFR 300 Precolonial Africa, SB, G, H (3)

AFR 301 Race and Racism in Africa/African Diaspora, SB, G (3)

AFR 302 History of Black Women in America, SB, H (3)

AFR 305 The Global History of the Trans-Atlantic Slave Trade, SB, H (3)

Elective Courses:

The remaining 18 credit hours will be completed by selecting courses not taken to fulfill the six core credit hours and will be selected from the program prefix (AFR). At least 18 of the 24 credit hours must be upper-division courses (300 or higher). All courses must have a "C" (2.00) grade or higher. No course may be used to satisfy more than one requirement in the undergraduate certificate.

Enrollment Requirements:

Students admitted to study at Arizona State University are eligible to pursue the requirements of a certificate. In order to be admitted to the university, complete the Office of Admissions online application. Please contact the unit for additional information.

Contact Information:

Liberal Arts & Sciences, College of

School of Social Transformation

<http://sst.clas.asu.edu/african-and-african-american-studies>

WILSN 125

SST@asu.edu

480-965-7682

Applied Business Data Analytics Certificate (BABDACERT)

Campus: ONLNE, TEMPE

Description:

The certificate in applied business data analytics is created for students who are interested in practical uses for computer-based tool suites that are capable of managing vast amounts of data; providing sophisticated but easy to use means to manage and analyze that data; and to leverage those tools for making good decisions about projects, process designs and fundamental decision making tasks. Exposure to predictive analytics and modeling, big data techniques and visualization provides significant insight into the advanced uses of the computer-based tools. Critical thinking is an important skill and mindset that is required to establish and evaluate evidence-based benchmarks for making good decisions leading to high quality outcomes.

Program Requirements:

The certificate in applied business data analytics requires 18 credit hours to complete and is available to all majors. There are no prerequisite courses.

Required courses include:

CIS 105 Computer Applications and Information Technology (3)

CIS 308 Advanced Excel in Business (3)

CIS 309 Business Process Management (3)

CIS 311 Business Project Management (3)

CIS 405 Business Intelligence (3)

any statistics course (3)

CIS 105 is a prerequisite to the other four courses. To earn the certificate, students must complete all courses with a grade of "C" (2.00 on a scale of 4.00) or higher.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Business, W. P. Carey School of

Department of Information Systems

<http://wpcarey.asu.edu/>

BA 301P

wpcareyis@asu.edu

480-965-3352

Arabic Studies Certificate (LAARBCERT)

Campus: TEMPE

Description:

The certificate in Arabic studies provides students with skills that will enable and qualify them to communicate effectively in Arabic in the four areas of language acquisition:

- listening
- reading
- speaking
- writing

Simultaneously, students gain a broad knowledge and understanding of the culture, literature and traditions of the vast Arabic-speaking world.

The certificate provides critically needed educational and cultural diversity that will enrich students' undergraduate experience and prepare them for life as employees and employers.

Graduate students in the liberal arts, social sciences and humanities seeking academic or professional careers in any of the three disciplines or thematic concentrations are also expected to be attracted to this certificate because of the added advantage the program gives them in the job market given the demonstrably high need for graduates with Arabic knowledge.

Program Requirements:

ASU students admitted to a degree program in any field of study would be eligible for the Arabic studies certificate program. In addition to the course work and examinations required in the major field of interest, students are responsible for fulfilling the minimum requirement of 18 hours (at least 12 upper-division) to earn the Arabic studies certificate. These hours can be chosen in consultation with the certificate coordinator. A minimum grade of "C" (2.00) or higher is required in each course.

Enrollment Requirements:

Students must first be accepted into an appropriate degree program at ASU and will then apply directly to the director of the Arabic studies certificate in the School of International Letters and Cultures for admission into the certificate program.

The application will consist of:

- name
- address
- phone number
- email address
- student ID number
- major
- year in college
- anticipated graduation date
- name of their advisor for their academic major

Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/undergrad/minors-certificates>
LL 440
silcadvising@asu.edu
480-965-6281

Arts Entrepreneurship Certificate (HITHAECERT)

Campus: TEMPE

Description:

Arts entrepreneurship is an emerging transdisciplinary field that harnesses the skills and mindset of the entrepreneur to empower artists to create work that is meaningful, sustainable, and oriented to community and market need. Students across art, dance, design, film, music and theatre disciplines will benefit from the business, marketing, and organizational skills offered by certificate courses as applied specifically to and within the arts.

Program Requirements:

The undergraduate certificate in arts entrepreneurship consists of 15 credits including nine credit hours of required courses. Of the remaining credits, three credits must be taken from each category of electives shown below: art business; and arts policy, community, and socially engaged arts. A grade of C or better is required in all courses.

Required Courses:

THP 352 Foundations of Arts Entrepreneurship (3)

HDA 420 Design and the Arts Business Administration (3)

THP 452 Arts Entrepreneurship Seminar (3)*

*This is a culminating experience to the certificate program.

Electives:**Arts Business***

ARA 396 Professional Practices for Artists (3)

ARA 460 Gallery Exhibitions (3)

DSC 394 Design Entrepreneurship and Society (3)

FMP 417 Business Ethics in Entertainment (3)

FMP 494 Business of Media Industries (3)

MUE 494 Collaborative Entrepreneurship in the Arts (3)

MUS 494 The Enterprising Musician (3)

THP 351 Arts Management (3)

THP 450 Theatre Organization and Management (3)

Arts Policy, Community or Social Engaged Arts

ARS 494 Art and Politics (3) or THE 494 Arts and Public Policy

ARS 494 Arts and Public Policy (3)

ARS 498 Public Art (3)

HDA 310 Socially Engaged Practice (3)

MHL 494 Music and Movement in Urban Culture (3)

MUS 494 Music Product Creation and Development (3)

THP 482 Theatre for Social Change (3)

*Other course options may be approved by the certificate program coordinator.

Plan of study:

The plan includes a significant final project in the eighth semester seminar that serves as a capstone for the certificate:

Semester 4: THP 352 Foundations of Arts Entrepreneurship (3), followed by application to the certificate program

Semester 5: HDA 420 Design and the Arts Business Administration (3)

Semester 6: Arts Business course from the list above (3)

Semester 7: Arts Policy, Community or Socially Engaged Arts course from list above (3)

Semester 8: THP 452 Arts Entrepreneurship Seminar (3)

Enrollment Requirements:

The certificate in arts entrepreneurship, meant to extend the study of an individual arts discipline, will be available only to current students with a major within the Herberger Institute for Design and the Arts. Students will be admitted to the certificate program upon completion of THP 352 Foundations of Arts Entrepreneurship (3) with a grade of B or better and an overall GPA of 3.00 or higher. Students will submit an application to the Herberger Institute Office of Student Success. Herberger Institute students meeting the course and GPA requirements may enroll in the certificate, and a Herberger Institute advisor will add the certificate plan code to the student's record.

Contact Information:

Design & the Arts, Herberger Institute for

School of Film, Dance and Theatre

<http://theatreilm.asu.edu>

CDS 101D

herbergeradvising@asu.edu

Arts in Education Certificate (HIAEDCERT)

Campus: TEMPE

Description:

The certificate in arts in education is specifically designed for prospective preK-8 educators who wish to enhance their teaching practices by developing the necessary skills to use the arts throughout the curriculum. By weaving the principles and practices of the arts and other disciplinary curricula together, teachers can create rich and engaging environments that enhance student learning by capitalizing on the critical thinking, communication, collaboration, and creativity inherent in the arts and arts experiences.

Program Requirements:

The certificate in arts in education requires 18 credit hours (12 upper-division).

Arts Education Lower-Division Core (choose two courses from this list):

ART 110 Drawing as Seeing and Thinking, HU (3)

ARA 195 Art in My World, HU (3)

ARA 218 Art and Visual Learning, HU (3)

FMP 222 Education in Film, L (3)

MUS 210 The Arts Around Us, HU (3)

MUS 211 Dance, Music and Meaning, HU (3)

MUS 212 Music, Meaning and Imagination, HU (3)

MUS 213 Critical Thinking in the Arts, HU (3)

MUS 214 Art, Music and Learning, HU (3)

THP 212 Puppetry with Children (3)

Arts Education Core Upper Division (choose three courses from this list):

ARA 311 Art Appreciation and Human Development, HU (3)

ARE 301 Studio Art and Human Development (3)

DCE 350 Dance in the Classroom: Learning through Movement, HU (3)

MUE 310 Music in Early Childhood, HU (3)

MUE 311 Music in the Lives of Children and Youth, HU (3)

THP 311 Creative Drama with Youth, L (3)

Arts Elective Course List (choose three credit hours from this list):*

ARS 300 Introduction to Art, HU (may receive credit for ARS 100 or 300) (3)

DCE 300 Moving Histories, HU (3)

DCE 301 Meaning in Motion, L or HU (3)

DCE 303 The Body Condition(ed), SB (3)

DCE 402 Ethnography of Dance Practices, (L or HU) and G (3)

DCE 404 Dance and Ethics (3)

DCE 405 Rhetorical Moves, L or HU (3)

MUP 442 Instrumental Ensembles (1-2)

MUP 443 Choral Ensembles (1-2)

MUP 450 Choral Union (1-2)

MUP 455 Men's Chorus (1-2)

MUP 457 Women's Chorus (1-2)

MUP 489 Ethnomusicology Ensembles (1)

MUP 494 Concert Band (1-2)

MUP 494 Barrett Choir (1 -2)

MUS 494 Urban Dance Music Ensemble (1)

MUS 340 Music for the Concert Hall, Stage, and Screen, HU and H (3)

MUS 347 Jazz in America, HU and C (3)

MUS 354 Jazz Giants, HU (3)

MUS 355 American Music, HU and C and H (3)

MUS 356 Broadway and the American Musical, HU (3)

MUS 362 Rap Music and Hip Hop Culture, HU and C (3)

THE 322 Theatre History and Culture, HU and H (3)

THP 411 Methods of Teaching Drama (3)

THP 482 Theatre for Social Change, C (3)

*Some courses are less than three hours and may be repeated for credit.

Enrollment Requirements: Any student may pursue this certificate. Please see an advisor in the department for details.

Contact Information:

Design & the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
<http://herbergerinstitute.asu.edu>
CDS 101
HerbergerAdmissions@asu.edu
480-965-4495

Asian Pacific American Studies Certificate (LAAPACERT)

Campus: TEMPE

Description:

Asian Pacific American studies addresses the historical and contemporary experiences of Asian Americans and Pacific Islanders, what they have contributed to our society, and the complexity of racial formations in the U.S. The certificate program encourages students to learn about local Asian American and Pacific Islander communities and organizations through research, courses and community internships.

Program Requirements:

Students will be required to complete 18 credit hours for the certificate. Nine hours will be a prescribed core and the remaining nine elective hours will be selected from any of the courses with an APA prefix.

Required Core Courses:

APA 200 Introduction to Asian Pacific American Studies, HU/SB, C (3)
APA 360 Asian Pacific American Experience, HU/SB, C (3)
APA 484 Asian Pacific American Community Internship (3)

Elective Courses

The remaining nine credit hours will be completed by selecting courses not taken to fulfill the nine required hours and will be selected from any APA course. Examples of APA course options include but are not limited to:

APA 210 Introduction to Ethnic Studies in the U.S., C (3)
APA 310 Asian Pacific American Arts and Cultures, HU, C (3)
APA 315 Asian Pacific American Literature, HU, C (3)
APA 330 Asian Pacific American Genders and Sexualities, SB, C (3)
APA 340 Asian Pacific Americans and Media, HU, C (3)
APA 345 Asian Pacific Americans and Film, HU, C, H (3)
APA 360 Asian Pacific American Experience (3)*
APA 394 Special Topics (may be repeated for credit with a different topic) (3)
APA 450 Asian Pacific American Contemporary Issues, SB, C (3)
APA 484 Internship (3)
APA 494 Special Topics (may be repeated for credit with a different topic) (3)
APA 499 Individualized Instruction (1-3 credits; may be repeated for credit)

*Note: One APA 360 course is required for the core the other sections may be repeated for credit with different topics:

- Asian American psychology
- the Chinese American experience
- the Filipina/o American experience
- the Japanese American experience
- the Korean American experience
- the Multiracial experience
- the Pacific Islander experience
- the South Asian experience
- the Southeast Asian experience

Other Requirements and Restrictions

- At least 12 of the 18 credit hours must be upper-division courses (300 or higher).
- All courses for the certificate must have a "C" (2.00) grade or higher.
- A minimum of nine credit hours must be taken in residency at ASU.
- No course may be used to satisfy more than one requirement in the certificate.

Enrollment Requirements:

Students admitted to study at Arizona State University are eligible to pursue the requirements of a certificate. In order to be admitted to the university, complete the Office of Admission online application. Please contact the unit for additional information.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://sst.clas.asu.edu/asian-pacific-american-studies>
WILSN 125
SST@asu.edu
480-965-7682

Asian Studies Certificate (LAASNCERT)

Campus: TEMPE

Description:

The Asian studies certificate is offered through the Center for Asian Research. It supplements a bachelor's degree, demonstrating knowledge of an Asian language as well as general knowledge of Asian history, art, culture and society. The certificate provides students with official transcript recognition of specialization in Asian Studies related to their major area of study. An earned certificate will appear on student transcripts as an Asian study emphasis.

Program Requirements:

The certificate requires 24 credit hours of course work, including:*

- Fifteen credit hours of upper-division area studies course work chosen from at least three disciplines outside the School of International Letters and Cultures (such as anthropology, art, geography, history, political science and religious studies)
- nine elective credit hours in some combination of lower- and upper-division courses

*Six of the 24 credit hours may be satisfied with courses offered by the School of International Letters and Cultures, limited to courses numbered 321 and above.

In addition, certificate students must demonstrate proficiency in an Asian language at the intermediate level. The language requirement can be satisfied by completing the 201 and 202 sequence, one year of study abroad at the intermediate level, or satisfactory placement on a proficiency exam. Asian languages include:

- Chinese
- Hindu/Urdu
- Indonesian
- Japanese
- Korean
- Thai
- Vietnamese

Students pursuing an Asian studies certificate may apply courses in East, South and Southeast Asia to meet the certificate requirements. A minimum grade of "C" (2.00) is required for each course that is used to fulfill the certificate requirements.

Enrollment Requirements:

There are no specific admission requirements other than a student's desire to learn about Asia. For U.S. Department of Education Gainful Employment Program Disclosure information, see: <https://catalog.asu.edu/files/disclosures/LAASNCERT/Gedt.html> (<https://catalog.asu.edu/files/disclosures/LAASNCERT/Gedt.html>).

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://car.clas.asu.edu/certificate-programs/>
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

Brazilian Studies Certificate (LABZSCERT)

Campus: TEMPE

Description:

The Brazilian studies program consists of five essential components:

- course in basic linguistic competence on the first- and second-year level
- advanced skills development in third- and fourth-year language courses
- grounding in major texts of Brazilian literature
- examination of major themes in Brazilian popular and urban culture, with particular emphasis on Afro-Brazilian society
- complementary courses in specific issues in Brazilian culture as offered by collateral departments

Program Requirements:

ASU students admitted to a degree program in any field of study would be eligible for the Brazilian studies certificate program.

Once enrolled in the certificate, students must demonstrate proficiency in the Portuguese language at the intermediate level. In addition, the student must take POR 313 and POR 314 Portuguese Composition and Conversation, and other courses in Portuguese language or Brazilian culture, for a total of 18 credit hours.

Enrollment Requirements:

Any undergraduate admitted to study at Arizona State University may elect to pursue this certificate.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/undergrad/minors-certificates>
LL 440
silcadvising@asu.edu
480-965-3752

Child Life Certificate (LACHLFCERT)

Campus: DTPHX, TEMPE

Description:

Child life specialists are experts in child development who promote effective coping among children who face challenges related to health care and hospitalization. This cross-disciplinary program offered through the School of Community Resources and Development and the School of Social and Family Dynamics is designed to assist students to prepare for the national qualifying child life exam.

A portion of the national certification exam eligibility requirements, as outlined by the Child Life Council, are met by obtaining this certificate.

Program Requirements:

The certificate requires 21 credit hours. Courses taken as part of a university major may count toward that degree and the certificate. To earn the certificate, students must complete all course work in the certificate with a minimum grade of "B" (3.00) or better.

An application to the program is required.

Required Courses:

CDE 337 Early Childhood Intervention (3)
CDE 450 Child Dysfunction in the Family (3)
PRM 364 Foundations of Therapeutic Recreation, SB (3)
PRM 384 Child Life Practicum (3)
PRM 406 Program Design and Evaluation in Therapeutic Recreation (3)
PRM 455 Play in Child Life (3)
PRM 460 Assessment and Documentation in Therapeutic Recreation (3)

Standards:

- A minimum "B" (3.00) grade is required for all classes in the certificate.
- A minimum GPA of 3.00 is required for those pursuing the certificate.
- Program consists of 18 hours of graded classroom course work (no internship, no independent study).
- Students must be juniors to take 400-level courses.

Enrollment Requirements:

A minimum cumulative GPA of 3.00 is required to enroll in the certificate.

Students wishing to pursue the child life certificate must complete two prerequisites before applying for the program:

- CDE 232 Human Development (3) with a grade of "B" (3.00) or higher
- CDE 338 Child Development Practicum (or comparable experience working with children, as determined by certificate directors of admission)

For additional information and application, students should consult with an academic advisor in either the School of Community Resources and Development or the School of Social and Family Dynamics.

Contact Information:

Liberal Arts & Sciences, College of
Sanford School of Social and Family Dynamics
<https://thesanfordschool.asu.edu/>
SS 144
email@thesanfordschool.org
480-965-6978

Child Nutrition Certificate (ECNTRCERC)

Campus: DTPHX, POLY

Description:

This certificate program is directed toward current degree-seeking students, postbaccalaureate students and nondegree-seeking students who are interested in eligibility for the school nutrition specialist (SNS) credential offered by the School Nutrition Association (SNA). More information for this credential is available at: <http://www.schoolnutrition.org/Content.aspx?id=132> (<http://www.schoolnutrition.org/Content.aspx?id=132>).

Program Requirements:

The certificate requires that students take the following courses, for a total of 31 credit hours:

ACC 382 Accounting and Financial Analysis (3)
EXW 100 Introduction to Health and Wellness (3) or EXW 325 Fitness for Life (3)
NTR 142 Applied Food Principles (3)
NTR 343 Food Service Purchasing (3)
NTR 344 Nutrition Services Management (3)
NTR 345 Development of Healthy Cuisines (3)
NTR 401 Field Experience in Food and Nutrition (3)
NTR 445 Management of Food Service Systems (3)
NTR 448 Community Nutrition (3)
NTR 450 Nutrition in the Life Cycle I (3)
NTR 498 Child Nutrition Seminar (1)

Enrollment Requirements:

To enroll in the certificate program, the applicant must be admitted to ASU as a degree-seeking or nondegree-seeking student in the nutrition program. The curriculum committee of the nutrition program will approve applications to the certificate program.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<https://snhp.asu.edu/>
NHI2
healthpromotion@asu.edu
602-496-3300

Civic Education Certificate (LACVECERT)

Campus: TEMPE

Description:

The civic education certificate is designed to contribute to the preparation of undergraduate students for:

- careers in primary and secondary education (where the teaching of government and civics may be involved)
- careers or voluntary participation in politics, public service, civic and social movements

- further education in law, journalism, business, history, sociology, political science and other fields where an understanding of questions of citizenship, leadership, community, democracy, public responsibility and ethics is crucial

Program Requirements:

The certificate does not substitute for degree requirements in any subject, including political science; rather, it is a complement to the student's chosen major. The certificate program is intended to guide students to a variety of courses whose successful completion indicates their special accomplishment in the area of civic education. Students majoring in any subject at the university may be awarded the civic education certificate upon completion of the following 15 credit hours of political science courses:

POS 210 Political Ideologies, SB (3)

POS 346 Problems of Democracy, HU (3)

POS 442 American Political Thought, HU (3)

Choose one from the courses below:

POS 340 History of Political Philosophy I, HU, H (3)

POS 341 History of Political Philosophy II, HU, H (3)

POS 443 Topics in Contemporary Political Theory, HU (3)

Choose one from the courses below:

POS 110 Government and Politics, SB (3)

POS 150 Comparative Government, SB, G (3)

POS 160 Global Politics, SB, G (3)

POS 270 American Legal System, SB (3)

POS 300 Contemporary Global Controversies, SB, G (3)

POS 313 The Congress, SB (3)

POS 314 The American Presidency, SB (3)

POS 315 The Supreme Court, SB (3)

POS 330 Contemporary Controversies in Domestic Politics, SB (3)

POS 332 American Political Parties, SB (3)

POS 333 Interest Groups, SB (3)

POS 370 Law and Society, SB (3)

POS 417 Arizona Politics, SB (3)

POS 435 Women and Politics, SB, C (3)

POS 439 Minority Group Politics in America, SB, C (3)

Certificate students must have a minimum GPA of "C" (2.00); only courses in which students have a grade of "C" (2.00) or higher count toward the certificate. A minimum of six upper-division credit hours must be taken in courses offered by the College of Liberal Arts and Sciences.

Enrollment Requirements:

Any student admitted to study at ASU may complete a certificate. To apply to the university, please complete the Office of Admissions online application. Please contact the School of Politics and Global Studies for more information about completing the civic education certificate.

Contact Information:

Liberal Arts & Sciences, College of
School of Politics and Global Studies
<https://pgs.clas.asu.edu/>
COOR 6797
spgs@asu.edu
480-965-6551

Civil Communication Certificate (LACCOMCERT)

Campus: TEMPE

Description:

The Hugh Downs School of Human Communication has designed specific courses that offer students a certificate in the area of civil communication. Students are provided specific training in dialogue-based methods of civility, application of critical civil communication skills in public spheres, and civil and productive modes of argumentation. This specialization provides students with the ability to recognize, competently practice, and facilitate the ever-increasing demand for civil discourse in society and workplace organizations. Our foundational courses provide the opportunity for interdisciplinary collaboration and community engagement.

Program Requirements:

The certificate requires 18 credit hours.

Required courses (9 credit hours):

COM 222 Argumentation (3)
COM 225 Public Speaking (3)
COM 327 Civil Communication (3)

Elective courses (9 credit hours):

COM 312 Communication, Conflict and Negotiation (3)
COM 319 Persuasion and Social Influence (3)
COM 321 Rhetorical Theory and Research (3)
COM 341 Social Contexts for Performance (3)
COM 421 Rhetoric of Social Issues (3)

Enrollment Requirements:

Students admitted to study at Arizona State University are eligible to pursue the requirements of a certificate. In order to be admitted to the university, complete the Office of Admission online application. Please contact the Hugh Downs School of Human Communication for additional information.

Contact Information:

Liberal Arts & Sciences, College of
Hugh Downs School of Human Communication
<http://humancommunication.clas.asu.edu/>
STAUF 412 A
communication@asu.edu
480-965-5095

Classical Studies Certificate (LACLG CERT)

Campus: TEMPE

Description:

The classical studies program offers students a wide variety of opportunities to study the language, literature and culture of the ancient Greeks and Romans. The School of International Letters and Cultures offers a certificate in classical studies for those students interested in pursuing a classical education in conjunction with another major or as part of their general studies.

Program Requirements:

Students admitted to undergraduate degree programs in any field are eligible for the classical studies certificate program. In addition to the course work and examinations required in the student's major, the student is responsible for fulfilling the following minimum requirements:

- five semesters of ancient Greek (17 credit hours; GRK 301 and GRK 302 may be repeated for credit) or Latin language and literature instruction (19 credit hours)
- four semesters in courses related to classical studies, to be approved by coordinator of the certificate (12 credit hours)
- two of these courses must be above the 300 level (6 credit hours)

A minimum grade of "C" (2.00) is required in each course leading to the certificate. A minimum of 12 credit hours must be upper-division. A minimum of six credit hours must be taken at ASU.

Enrollment Requirements:

Students interested in the classical studies certificate program need to contact the coordinator of the certificate before being accepted into the program. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/undergrad/minors-certificates>
LL 440
silcadvising@asu.edu
480-965-6281

Computer Gaming Certificate (ESSCICERT)

Campus: TEMPE

Description:

The computer gaming certificate is designed to provide a game development skill set that the student can apply to domain-specific applications in the student's major. The skill set includes:

- architecture of game engines
- art design and computer graphics for gaming
- game software development

In this certificate program, students will learn to apply gaming technology to the rapidly growing video game industry and to business, medicine, geography, biotechnology and education. Examples of projects include:

- building a game that teaches linear algebra by incorporating trigonometric rules into the game design
- creating a game that teaches correct sentence construction to early English learners
- creating a game to help patients with physical therapy
- creating an interactive virtual world for corporate training
- designing a game platform incorporating geographic information systems
- inventing a surgical simulation to educate medical students

Program Requirements:

Students will complete nine credit hours of core courses, including a final capstone project and nine credit hours of track courses.

Core Courses:

CPI 111 Game Development I, CS (3)
CPI 211 Game Development II (3)
CPI 441 Gaming Capstone (3)

Track Courses (choose three):

CIS 394 Project Management - Information Systems (3)
CPI 311 Game Engine Development (3)
CPI 321 Fundamentals of Game Art (3)
CPI 411 Graphics for Games (3)
CPI 412 Cognitive Systems and Intelligent Agents (3)
CPI 421 3-D Modeling and Texturing (3)
CPI 422 3-D Animation and Rigging for Video Games (3)
DCI 451 Design Research and Educational Gaming Practicum (3)
EDT 329 Games, Simulations and Virtual Environments (3)
RDG 440 Computer Gaming, Learning and Literacy (3)

Programming courses focus on how game engines work and how to write software. Game art courses teach the visual aspects of game design. In education courses, students will apply game design skills to achieve educational goals.

Enrollment Requirements:

The computer gaming certificate is open to any student admitted to an undergraduate degree program at ASU and in good academic standing. This certificate can also be used by BIS students as part of their degree program.

All students are eligible to take CPI courses. Students who want to declare the certificate need to complete the Undergraduate Certificate form on the registrar's website and submit it to the School of Computing, Informatics and Decision Systems Engineering Academic Advising Center located in BYENG, Room 208. BIS students need to contact their BIS advisor to add the computer gaming concentration to their degree program.

Contact Information:

Engineering, Ira A. Fulton Schools of
Computing and Informatics Program
<http://cidse.engineering.asu.edu/>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Convention Sales and Meeting Planning Certificate (PPTDMCERT)

Campus: DTPHX

Description:

The U.S. meetings, conventions and exhibitions industry generates more than \$120 billion a year, supporting nearly two million jobs. Students can explore this exciting growth industry with the convention sales and meeting planning certificate. The demand for professionals is strong, and we provide an excellent foundation for enhancing career opportunities nationally and regionally. Phoenix is a major convention and meeting destination.

The \$600 million investment in the Phoenix Convention Center expansion, new hotel and other visitor-related product development, as well as corporate headquarters that continue to relocate to the greater Phoenix area have created the need for qualified professionals to service conventions and meetings. The certificate, which has been endorsed by the Greater Phoenix Convention and Visitors Bureau and the Arizona Sunbelt Chapter of Meeting Professionals International, will enhance a graduate's career opportunities as a tourism professional.

Program Requirements:

The certificate requires 15 credit hours: four required core courses (12 credits) and one elective course (3 credits). Courses taken as part of a university major may count toward that degree and the certificate. Requirements can be met online. All core classes and some elective classes are taught online at least once a year. To earn the certificate, students must complete all course work in the certificate with a minimum grade of "C" or better. An application to the program is required.

Required Core Courses:

TDM 205 Introduction to Travel and Tourism, G (3)

TDM 345 Meeting and Convention Planning (3)*

TDM 350 Tourism Marketing (3)*

TDM 386 Convention Sales and Management (3)

Elective (choose one):

PRM 486 Special Events Management (3)

TDM 225 Introduction to Resort and Hotel Management (3)

TDM 458 International Tourism, G (3)

*Prerequisite: TDM 205, grade of "C" or better)

Standards

- 15 hours of graded classroom course work (no internship, no independent study)
- minimum "C" (2.00) grade required for all classes in the certificate
- minimum GPA of 2.00 for those pursuing the certificate
- should be a junior to take 400-level courses

Enrollment Requirements:

Students wishing to pursue the convention sales and meeting planning certificate should consult an academic advisor in the School of Community Resources and Development. For additional information, please visit the school's website.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-0550

Creative City Certificate (PPURBCERC)

Campus: DTPHX

Description:

The creative city certificate prepares students to engage effectively in revitalizing cities and communities by tapping their inherent potential for cultural innovation, place-making and social and economic entrepreneurship. Exploring best practices globally, students develop asset-based proposals for specific locales including implementation plans. The creative city certificate adds value to other majors as well as work and life experience for students aspiring to assume leadership roles in improving quality of life, specifically by enhancing quality of place.

Cities are centers of human creativity and cultural innovation. They both attract and breed these. Such creativity and innovation are apparent in the vitality of the arts, as well as that of businesses (large and small), research (basic and applied) and the everyday life unique to any given locale. These are the ingredients that make our places sustainable, economically, socially and environmentally, by endowing a sense of place along with a sense of community.

This certificate also serves professionals in the community working in the areas of:

- community development
- land-use law
- parks and recreation
- philanthropy
- planning
- public art
- urban governance and others

Flexible class times and locations make the certificate a viable option for those unable to attend classes during the day.

Program Requirements:

The five-course sequence comprising the certificate will enable students to build upon their own strengths in order to help cities and communities creatively build upon their capacities. The creative city certificate consists of a maximum of 15 credit hours of course work. All courses must be taken at ASU. Required courses and electives are shown below.

Required Core Courses:

URB 405 Citizen Engagement and Community Building (3)

URB 406 Public Administration and Community Development (3)

Elective Courses:

GRA 401 Creative Environment (3)

NLM 160 Voluntary Action and Community Leadership, SB (3)

NLM 220 Introduction to Nonprofit Organizations (3)

NLM 300 Fund Raising and Resource Development (3)

NLM 402/TDM 402 Assessment and Evaluation of Community Services (3)

PAF 420 Public Leadership (3)

PRM 120 Leisure and the Quality of Life, SB (3)

PRM 210/NLM 210/TDM 210 Community Services and Professions (3)

PRM 301/NLM 301/TDM 301 Sustainable Communities (3)

PRM 302/NLM 302/TDM 302 Inclusive Community Development, C (3) [CRD majors only]

TDM 448 Heritage and Cultural Tourism (3)

URB 220 Introduction to Urban America (3)

Enrollment Requirements:

The creative city certificate is available to all admitted undergraduate students (regular or nondegree) at ASU. Nondegree students are required to apply to ASU (as a nondegree student) and once admitted, contact the School of Public Affairs to be admitted into the certificate program. Students may begin taking courses before they formally apply for the certificate; however, they should apply for admission as soon as possible.

Contact Information:

Public Programs, College of

School of Public Affairs

http://spa.asu.edu/programs/undergraduate/certificates/creative_city

UCENT 400

spa@asu.edu

602-496-0450

Digital Culture Certificate (HIDGCCERT)

Campus: TEMPE

Description:

The digital culture certificate program in the Herberger Institute for Design and the Arts focuses on the creative exploration of how new media is influencing our culture or, rather, the way we live, learn, create and communicate. The digital culture certificate will allow students to enhance their program of study with integrated, interdisciplinary training in creative processes and technical skills in new media with cultural applications.

The digital culture curriculum is outcomes-based rather than course sequence-based. The curriculum uses an innovative proficiency-based network to connect courses across academic disciplines, instead of traditional methods such as course prerequisites. Proficiencies in the curriculum identify common generalized learning outcomes across disciplines participating in the initiative.

Program Requirements:

The digital culture certificate requires 18 credit hours (12 upper-division) in four areas:

digital culture studies (9)

media arts and design (3)

media engineering (3)

capstone culminating project (3)

For a list of digital culture courses, please visit: <https://digitalculture.asu.edu/education/courses> (<https://digitalculture.asu.edu/education/courses>)

A minimum grade of a "C" (2.00) and an overall GPA of 3.00 is required in all classes in the certificate. Courses in the certificate may not be used as part of a major. All upper-division certificate course work must be taken at ASU.

Generous substitution rules allow for course flexibility. Students receiving the digital culture certificate can petition to substitute up to six credit hours. Three credit hours can come from any course related to digital culture through courses offered by any unit of ASU including the Polytechnic, Downtown, West (Interdisciplinary Arts & Performance) and the Film and Media Studies program on the Tempe campus. Courses may include any on the list of related subjects and substitutions (below) or courses with comparable content.

The other three substitution hours can be achieved through one of the following two paths:

- The three-hour media arts and design course requirement may be substituted with a three-hour course in the digital culture related category.
- The three-hour media engineering requirement may be substituted with a three-hour course in the digital culture related category or by a related upper-level engineering course offered by one of the collaborating units.

Enrollment Requirements:

For current ASU students, there is no special application process for the digital culture certificate. Students add the certificate by meeting with the academic advisor for their major and the digital culture education coordinator to develop the digital culture pathway that best meets the proficiencies for the work they are interested in pursuing. This pathway will be contingent upon the student's academic performance in 100-level course work.

For students not currently enrolled at ASU, students must apply and be admitted to ASU in a degree or nondegree program. Students must meet with the digital culture academic success coordinator before enrolling in the certificate program. The coordinator and student will develop a pathway that best meets the proficiencies for the work he or she is interested in pursuing. The coordinator will review the student's previous academic work to determine which proficiencies the student has completed.

Digital culture certificate students will work with the digital culture academic success coordinator and successfully complete the required sequence of courses and proficiencies for a digital culture certificate. The digital culture academic success coordinator and the digital culture faculty committee in the Herberger Institute for Design and the Arts will help to craft the best path for the student.

Contact Information:

Design & the Arts, Herberger Institute for

Arts, Media and Engineering Sch T

<https://digitalculture.asu.edu/education/degrees>

BYENG 395

herbergeradvising@asu.edu

480-965-9438

East Asian Studies Certificate (LAEASCERT)

Campus: TEMPE

Description:

The certificate in East Asian studies can supplement a bachelor's, demonstrating knowledge of an Asian language as well as knowledge of Asian history, art, culture or society. This certificate helps prepares students for admission to graduate programs in Asian area studies or in an academic discipline with an Asian focus, or for professional programs in international law or business. Recent Asian studies graduates have gone on to enter

medical school, law school, MBA programs or PhD programs. An earned certificate will appear on student transcripts as an East Asian studies emphasis.

Program Requirements:

The certificate requires 24 credit hours of course work, including:

- Fifteen credit hours of upper-division area studies course work in at least three disciplines outside of languages and literature courses (such as anthropology, art, geography, history, political science and religious studies)
- nine credit hours in some combination of lower- and upper-division courses (six hours may be satisfied with language and literature courses limited to 321 and above)
- demonstrated proficiency in an East Asian language at the intermediate level

The language requirement can be satisfied by one of the following:

- completing the 201 and 202 sequence
- one year of study abroad at the intermediate level
- satisfactory placement on a proficiency exam

East Asian languages include:

- Chinese
- Japanese
- Korean

Students pursuing an East Asian studies certificate must fulfill the language requirement in either Chinese, Japanese or Korean, and the 15 hours of upper-division course work must be courses with significant focus on East Asia chosen in consultation with an advisor in the School of Historical, Philosophical and Religious Studies.

A minimum grade of "C" (2.00) is required for each course that is used to fulfill the certificate requirements.

Enrollment Requirements:

There are no specific admission requirements other than a student's desire to learn about East Asia.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://car.clas.asu.edu/>
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

Economic Justice Certificate (LAECNJCERT)

Campus: TEMPE

Description:

Students will gain knowledge of economic justice that will promote the growth of sustainable communities, locally, nationally and globally. The course work in this certificate will prepare students to:

- analyze and develop policies to build local skills
- develop the capacity to design, control, manage and evaluate initiatives aimed at economically revitalizing communities
- increase research abilities
- lay the groundwork for new approaches to economic justice

Program Requirements: • Eighteen total credit hours required for the certificate

- C" (2.00) grade or greater required for each course

Theories and Foundation in Economic Justice (3)

To provide students with a background in theories and philosophies of economic justice, students will select one of the following courses:

ASB 316 Money and Culture, L or SB (3)

COM 450 Theory and Research in Organizational Communication, SB (3)

ECN 360 Economic Development, SB, G (3)
JUS 321 Wealth Distribution and Poverty, SB, C (3)
JUS 323 Justice and the Development of the Welfare State, SB (3)
JUS 325 Globalization and Socio-Economic Justice, SB, G (3)
Economic Justice Praxis (3)

To better understand community, nongovernmental organizations, government policies and other collective efforts aimed at improving economic conditions through various strategies, including asset building to low-income communities, community-based microfinance, economic development, advocacy and training efforts. Students will select one of the following courses:

ASB 328 Rules, Games and Society, L (3)
ECN 331 Economics of the European Economic Union, SB, G (3)
JUS 320 Community and Social Justice, SB, C (3)
JUS 405 Economic Justice, L or SB, G (3)
PUP 434 Economic Development Planning, L or SB (3)
SGS 350 Economic Development and Globalization (3)
SGS 394 Policies for Economic Development (3)
SWU 432 Social Policy and Services (3)
SWU 498 Border Families/Community Asset Building Policies (3)
Interdisciplinary Component (9)

To provide students an opportunity to focus on a particular racial group, nation or region or specific historical event while also providing a broad interdisciplinary framework, students will select three electives. Courses must be taken from both of the substantive areas listed below and from two or more academic units. Any course listed below may count toward this requirement, as well as other courses as approved by the certificate program director.

Race, Gender, Class, Citizenship and Economic Justice:

AIS 380 Contemporary Issues of American Indian Nations, C (3)
APA 394 Asian Pacific Americans and Immigration (3)
APA 350 Inequality and Diversity in Education, C (3)
ASB/POS/SBS 447 Citizenship, Nationalism, and Identity, SB, C (3)
CRJ 305 Gender, Crime and Criminal Justice, C (3)
CRJ 306 Race, Ethnicity, Crime and Criminal Justice, C (3)
ETH 300 Principles of Ethnic Studies, C (3)
FAS/AFR 370 Family, Ethnic and Cultural Diversity, SB, C (3)
HST 325 Immigration and Ethnicity in the United States, SB, H, C (3)
HST 333 African American History to 1865, SB, H, C (3)
IAS 305 Work and Identity, SB (3)
JUS 415 Gender and International Development, L, G (3)
JUS 420 Women, Work and Justice, L or SB, C (3)
JUS 425 Race, Gender and Justice, L or SB, C (3)
JUS 438 Human Differences: Dilemmas of Justice, L or HU, C (3)
JUS 479 Law and Disputing, L or SB (3)
SOC/FAS 324 Work and the Workplace, SB, H (3)
SWU 374 Diversity and Oppression in a Social Work Context, C (3)
TCL 314 Transborder Regional Immigration and Economy, L or SB, H, C (3)
WST 394 Women, Work and Poverty (3)

National and Global:

AFS/JUS 304 Islands of Globalization: Caribbean Politics and Political Economy, SB, G, H (3)
ASB/SOC/SBS 342 Mexico-U.S. Borderlands, SB, C (3)
JUS 408 Comparative Development of the Welfare State, L, G (3)
JUS 469 Political Deviance and the Law, L or SB, C (3)
PHI 336 Social and Political Philosophy, HU (3)
POS 480 Global Justice, G (3)
POS 486 International Political Economy, SB, G (3)
SGS 394 Global Markets (or SGS 350 Economic Development and Globalization) (3)
SOS 430 Sustainable Economic Development and Social Transformation (3)
TCL 444 The Ethnography of Mexico and the Borderlands, SB, G (3)

Experiential Learning Component (3)

A central element of this certificate program will be the linkage of learning and doing, connecting theoretical and substantive learning about economic justice with practical knowledge about the workings of organizations and institutions seeking to address poverty and the wealth gap. To better connect classroom learning with practical experience, students will be required to participate in either a for-credit internship or a Research Experience with Undergraduates (REU) under faculty supervision (honors thesis may substitute). A written component to the internship or REU is

required.

Enrollment Requirements:

In order to declare this certificate, students must have a minimum of 56 earned credit hours and must first meet with an academic advisor.

Contact Information:

Liberal Arts & Sciences, College of

School of Social Transformation

<http://sst.clas.asu.edu/undergrad/why-study-school-social-transformation>

WILSN 125

SST@asu.edu

480-956-7682

Energy and Sustainability Certificate (SUESUCERT)

Campus: DTPHX, POLY, TEMPE

Description:

The 15-credit interdisciplinary certificate examines the current affairs of energy and sustainability. Students begin with an overview of how energy affects peoples' lives and policy options for energy as well as the science of energy and how energy is generated for today's society. Students then select additional energy courses tied to geography, architecture, geology, engineering or economics, depending on their specific interests.

Program Requirements:

Total minimum credit hours required for certificate: 15

Required Courses (9 hours):

SOS/GCU 171 The Thread of Energy, SB (3)

SOS 314 Basic Energy Science (3)*

SOS 315 Energy Policy (3)

Elective Courses (6 hours):

ALT 360 Renewable Energy Technologies: Fundamentals and Integration (3)**

ALT 412 Village Energy Systems (3)**

CHM 394 Chemistry, Energy, and Society (3)

EGR 371 Best Practices for Humanitarian Engineering (3)

EGR 476 Energy Infrastructures (3)**

EGR 494 Design for the Developing World (3)

ERM 494 Energy Economics (3)**

GCU 364 Energy in the Global Arena, SB and G (3)

GCU 442 Geographical Analysis of Transportation, SB (3)

GLG 304 Minerals, Energy and Society (3)*

GPH 405 Energy and Environment (3)

HST 306 Energy History (3)*

JUS 332 Politics of Energy Policy and Justice (3)*

JUS 444 Environment and Justice (3)*

MET 435 Alternate Energy Sources (3)**

PHY 498 The Science of Sustainable Energy (3)**

POS 394 Global Environmental Politics (3)

PUP 430 Transportation Planning and Environment (3)

SOS 394 Introduction to Solar Energy for Non-Engineers (3)*

SOS/ATE 494 Renewable Energy Systems (3)*

SOS 494 US Energy: Pathways to Sustainability (3)*

SOS/BIO/HST/PHI 394 History and Philosophy of Sustainability (3)*

SOS/PAF 394 Business, Sustainability and Public Policy (3)*

STS 317 Science, Technology and Global Engagement, SB and G (3)

STS 329 Cultivating Technology in Newly Industrializing Countries, SB and G (3)

STS 332 Global Issues in Science and Technology, SB and G (3)

Note: Although not required, it's recommended that students take SOS 314 before taking SOS 315.

*Indicates that the course has prerequisite courses

**Indicates that a course is a more technical course which may require additional math and science knowledge or prerequisites

Note: Electives are not limited to courses from this list only. Other courses on energy may be offered (special topics, etc.). Students can request to have those approved as an elective for this certificate by submitting a School of Sustainability Petition at https://students.asu.edu/College_Standards_Petitions (https://students.asu.edu/College_Standards_Petitions).

Students must earn a grade of "C" or better in all upper-division courses.

Enrollment Requirements:

Students wanting to declare a certificate in energy and sustainability should make an appointment with a School of Sustainability advisor. To be eligible, students must have a 3.00 cumulative GPA. Nondegree-seeking students will need to complete an application at <https://students.asu.edu/admission/nondegree> (<https://students.asu.edu/admission/nondegree>) and be admitted to ASU as a nondegree student in order to declare the certificate and enroll in courses.

To schedule an advising appointment or request additional information, please call (480) 727-6963. Advising is by appointment only. Questions about the certificate can also be directed to sosadvising@asu.edu (<mailto:sosadvising@asu.edu>).

Contact Information:

Sustainability, School of
School of Sustainability
<http://schoolofsustainability.asu.edu/undergraduate>
WGHL 108
sosadvising@asu.edu
480-727-6963

Entertainment and Technology Certificate (LAFMSUERE)

Campus: TEMPE

Description:

The entertainment and technology certificate is for students who have completed a course of study that includes 18 credit hours of entertainment and technology history, theory and convergence. It certifies the student has had the training to analyze industry changes through time, to identify current industry trends, and to develop likely entertainment and technology models and scenarios for the future.

Program Requirements:

ASU students admitted to a degree program in any field of study are eligible for the entertainment and technology certificate. In addition to the course work and examinations required in the major field of interest, students are responsible for fulfilling the requirement of 18 credit hours to earn the certificate. The upper-division courses are a three-course sequence and are taken upon completion of three lower-division film and media studies courses. A minimum grade of "C" (2.00) or better is required in each course. Required certificate core courses (18 credit hours) are:

FMS 100 Introduction to Film, HU (3)

FMS 110 Introduction to New Media, L or HU (3)

FMS 200 Film History, L or HU, H (3)

FMS 302 U.S. Media Now (3)

FMS 481 Entertainment Technologies (3)

FMS 483 Techno-Entertainment Convergences (3)

Enrollment Requirements:

Any student admitted to study at ASU may complete a certificate. To apply to the university, please complete the Office of Admissions online application. Please contact the department for more information and see <http://english.clas.asu.edu/film-entertech> (<http://english.clas.asu.edu/film-entertech>).

Contact Information:

Liberal Arts & Sciences, College of

Department of English

<http://english.clas.asu.edu/film>

LL 542

englishadvising@asu.edu

480-965-3168

Environmental Humanities Certificate (LAENHCERT)

Campus: TEMPE

Description:

The environmental humanities certificate offers students who are interested in humanities-based approaches to the current global environmental crisis an option to focus in this vital area of study. Students take three ENG courses and four electives from selected programs that are focused wholly or in large part on the human relationship to the environment and the relationship between nature and culture. To gain practical experience, certificate students also complete a required English internship in environmental activism, policy development, education or other pertinent areas.

Program Requirements:

The environmental humanities certificate consists of 24 hours, of which at least six must be upper-division courses offered by the Department of English in the College of Liberal Arts and Sciences.

Core Required Courses (9)

complete three English courses from the list below:

ENG 359 Indigenous American Literature, L or HU, C (3)

ENG 363 Transborder Mexican and Chicano/a Literature of Southwest North America, L or HU, C (3)

ENG 370 Science, Values, and the Public (3)

ENG 371 Rhetoric of the Environmental Movement (3)

ENG 452 Studies in the Novel (Indigenous), HU (3)

ENG 457 Studies in American Poetry (Indigenous), HU (3)

ENG 465 Studies in Film (Indigenous) (3)

ENG 468 Environmental Literary Criticism, L or HU (3)

ENG 469 Science and Literature, L or HU (3)

Internship:

ENG 484 Internship: Environmental Humanities Certificate (3)

Electives (12)

complete four additional courses from the list below.*

AFR 320 Africa: Politics, Environment, and Development (3)

ASB 326 Human Impacts on Ancient Environments, SB and H (3)

ASB/SOS 370 Production, People, and Environments, L or SB (3)
 BIO 300 Natural History of Arizona, SG (3)**
 BIO 311 Biology and Society (3)
 BIO 324 Environmental Ethics, HU (3)
 GCU 102 Introduction to Human Geography, SB and G (3)
 GCU 357 Social Geography, SB (3)
 GPH 210 Society and Environment, G (3)
 HST 342 US West 20th Century, SB and H (3)
 HST 345 Environmental History, L (3)
 JUS 332 Politics of Energy Policy and Justice (3)
 JUS 444 Environment and Justice, L and C (3)
 PSY 306 Environmental Psychology (3)
 PHI 310 Environmental Ethics, HU (3)
 REL 483 Religion and Science (3)
 SGS 310 Global Urban Systems (3)
 SGS 330 Globalization and the Environment: Problems and Solutions (3)
 SOC 331 Environmental Sociology, SB and G (3)
 SOS 110 Sustainable World (3)
 SOS 320 Society and Sustainability, L or SB (3)

*Other courses may be approved by an English advisor depending on special topics courses or variable topics courses available in given semesters.

**Must take both BIO 300 and BIO 301 to receive SG General Studies credit.

Enrollment Requirements:

For more information about the environmental humanities certificate, contact an advisor in the Department of English.

Contact Information:

Liberal Arts & Sciences, College of
 Department of English
<http://english.clas.asu.edu/>
 LL 542
englishadvising@asu.edu
 480-965-3168

Environmental Humanities Certificate (LSEnhCERT)

Campus: POLY

Description:

The environmental humanities certificate offers students who are interested in humanities-based approaches to the current global environmental crisis an option to focus on this vital area of study. Students take courses and electives from selected programs that are focused on the human relationship to the environment and the relationship between nature and culture.

Program Requirements:

This certificate is comprised of 24 credit hours.

Core:

Pick four ENG courses from the list below, with a minimum of at least one 400-level course:*

ENG 334 The American Southwest in Literature and Film, L/HU, C (3)
 ENG 359 Indigenous American Literature, L/HU, C (3)
 ENG 367 Environmental Issues in Literature and Film, L/HU (3)
 ENG 371 Rhetoric of the Environmental Movement (3)
 ENG 378 Environmental Creative Nonfiction, L/HU (3)
 ENG 468 Environmental Literary Criticism, L/HU (3)
 ENG 469 Science and Literature (variable-topics course), L/HU (3)

Electives (12):

Complete four additional courses (see advisor for approved list). Some courses are limited to students majoring in the discipline, have prerequisites, or cannot be taken in combination with another course on the list. Additional courses may be approved by the SLS English advisor depending on

special- or variable-topics courses available in given semesters.

*Note: Other ENG courses may be approved by SLS advisor depending on special- or variable-topics courses available in given semesters.

Requirements:

- A minimum of 12 upper-division hours is required.
- Six hours must be taken from the School of Letters and Sciences at ASU.
- A grade of "C" or higher is required in all courses taken for the certificate.

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<https://sls.asu.edu/>
WANER 101
sls@asu.edu
480-727-1526

Ethics Certificate (LAETHCERT)

Campus: TEMPE

Description:

The ethics certificate is designed to give students a richer understanding of systematic philosophical thinking about ethics. Students with majors in business, nursing, journalism and public administration, and students planning to pursue legal careers, among others, may well find that training in ethics is beneficial to their career goals. The certificate program permits some flexibility regarding course selection, thereby facilitating particular student interests. Students must consult with an academic advisor in the School of Historical, Philosophical and Religious Studies to declare the certificate.

Program Requirements:

The certificate in ethics consists of 18 credit hours approved by an undergraduate advisor in the School of Historical, Philosophical and Religious Studies.

The student must take:

PHI 335 History of Ethics, HU (3) or PHI 337 Ethical Theory, HU (3)

At least 15 credit hours must be chosen from:

PHI 105 Intro to Ethics, HU (3)
PHI 304 Existentialism, HU (3)
PHI 306 Applied Ethics, HU (3)
PHI 307 Philosophy of Law, HU (3)
PHI 310 Environmental Ethics, HU (3)
PHI 320 Bioethics, HU (3)
PHI 335 History of Ethics, HU (3)
PHI 336 Social and Political Philosophy, HU (3)
PHI 337 Ethical Theory, HU (3)
PHI 338 Metaethics (3)
PHI 360 Business and Professional Ethics, HU (3)
PHI 420 Topics in Philosophy (when its topic is within ethics)

One course outside this list, and perhaps outside the school, may be used with written approval from the director of undergraduate studies. All courses must be passed with a minimum grade of "C" or better.

Enrollment Requirements:

Any student admitted to study at ASU may complete a certificate. To apply to the university, please complete the Office of Admissions online application. Please contact the School of Historical, Philosophical and Religious Studies for more information.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/undergrad/certificate/ethics>
COOR 3307

Ethnic Studies Certificate (ASETHCERT)

Campus: WEST

Description:

The certificate in ethnic studies is designed for students who plan to work and live in ethnically diverse communities and seek to acquire the skills for understanding the complexities of race, class and gender at local or national levels. It is expected that students in the certificate program will be able to think analytically and creatively about ethnicity in the U.S. The certificate is strongly recommended for students who plan to enter a wide variety of jobs in business, health professions, the criminal justice system, social services, education, public relations, community development, public policy or government. It is also valuable for students preparing for further graduate study.

Program Requirements:

A certificate in ethnic studies is recommended for graduate students, nondegree students and students majoring in professional programs.

The certificate consists of 18 credit hours, 12 of which must be at the upper-division level. Students are encouraged to take courses that develop breadth rather than limiting their selection to courses in one particular discipline. Up to three credit hours of individualized instruction may be applied toward the certificate. All courses must be passed with a minimum grade of "C" (2.00).

Required Courses:

HRC 310 Social and Cultural Studies: Method and Theory (3)

HRC 480 Capstone: Practices and Approaches (3)

choose one course from the following list:

ETH 100 Introduction to Ethnic Studies SB, C (3)

ETH 300 Principles of Ethnic Studies C (3)

Electives:

Students must take nine credit hours, of which six must be upper-division. These courses must be chosen from the approved ethnic studies course list in consultation with the ethnic studies advisor.

Enrollment Requirements:

Students wishing to pursue the ethnic studies certificate should consult an academic advisor in the unit offering that certificate to ensure that the appropriate set of courses is taken and required paperwork submitted.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/certificates/ethnicity-race-first-nations-studies>
FAB N201
harcs.dept@asu.edu
602-543-4444

European Union Studies Certificate (LAEUSCERT)

Campus: TEMPE

Description:

The European Union, or EU, is the biggest economic bloc in the world and also one of the most important economic and political partners of the United States. This certificate enables students to develop expertise in the cultures, governments and economies of the EU, making them valuable to potential employers doing business in the EU. It may serve as a beneficial complement to a bachelor's degree or as a nondegree program for training business professionals and others who wish to enhance their knowledge of European cultures, politics, economics and societies.

Program Requirements:

Required core course (3 credit hours):

ECN 331 Economics of the European Economic Union, SB, G (3) or

POS 356 European Union, SB, G (3)

Five elective courses (15 credit hours).

Of these 15 credits, at least three must be in history (HST) or geography (GCU), at least three must be from a School of International Letters and Cultures civilization course, and at least three must be taken in a non-English EU language.

Approved elective courses include:

ENG 429 Studies in European Literature and Culture (3)
FRE 322 French Literature, L or HU (3)
FRE 325 Introduction to French Film (3)
FRE 416 French Civilization II, HU, G (3)
GCU 325 Geography of Europe, SB, G (3)
GER 416 German Civilization, HU, H, G (3)
GER 422 German Literature, L or HU (3)
GER 453 German Literary Masterpieces on Film, HU, H, G (3)
HST 304 Studies in European History, SB, H (3)
HST 351 Renaissance Europe, L or HU or SB, H (3)
HST 356 Europe since 1945, SB, G, H (3)
HST 364 Sex and Society in Modern Europe, L or SB, H (3)
HST 367 Modern Britain, SB, H (3)
HST 368 Culture and Imagination in European History, HU, H (3)
HST 370 Eastern Europe in Transition, SB, G, H (3)
HST 427 French Revolution/Napoleonic Era, SB, H (3)
HST 428 Modern France, SB, G, H (3)
HST 429 Modern Germany, SB, G, H (3)
HST 432 Eastern Europe the Balkans, 20th Century, SB, G, H (3)
HST 438 Modern Spain, HU or SB, G, H (3)
HST 465 Women in Europe, 1750 to Present, L or HU or SB, H (3)
ITA 315 Italian Civilization, HU, G (3)
ITA 322 Introduction to Italian Literature II, HU (3)
ITA 420 Italian Cinema (3)
SLC 494 Society and Culture in Modern Europe (3)
SLV 394 Societies and New Eastern Europe (3)
SPA 426 Spanish Literature, HU (3)
SPA 473 Spanish Civilization, HU or SB, G (3)

Additional courses may be approved by the coordinator of the certificate program.

Enrollment Requirements:

Degree-seeking students: ASU students with a minimum 2.00 cumulative GPA and sophomore standing or above in any degree program will be eligible for the European Union certificate program.

Nondegree-seeking students: Must have completed two years or more of college.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/undergrad/minors-certificates>
LL 440
silcadvising@asu.edu
480-965-6281

Family Communication Certificate (ASFAMCCERT)

Campus: WEST

Description:

The family communication certificate offers students an opportunity to specialize their studies on issues regarding communication in the family. The certificate complements the current communication program by bringing together a broad array of courses that have family implications, such as courses in new media and health. In addition, students are encouraged to take courses in other disciplines that complement family-related communication courses.

Program Requirements:

The certificate consists of 19 credit hours: 12 credits must be upper-division, six must be noncommunication credits, and a one-credit exit portfolio course is to be taken after a minimum of 12 credits have been completed. Twelve of the 19 credits must be ASU credit. Six credits may be double

counted with one's ASU major. Each class must be passed with a "C" (2.00) or better.

Required Core Courses (6):

COM 411 Communication in the Family, SB (3)

select one:

COM 312 Communication, Conflict and Negotiation (3)

COM 410 Interpersonal Communication Theory and Research, SB (3)

COM 417 Communication and Aging (3)

Four courses must be selected from at least two content areas listed below (12):

Social and Cultural Elements of the Family

AFS 370 Family, Ethnic and Cultural Diversity, SB, C (3)

ASB 346 Marriage and Family Diversity, SB, C (3)

COM 316 Gender and Communication, SB, C (3)

COM 410 Interpersonal Communication Theory and Research, SB (3)

FAS 301 Introduction to Parenting (3)

FAS 331 Marriage and Family Relationships, SB (3)

FAS 370 Family, Ethnic and Cultural Diversity, SB, C (3)

FAS 435 Advanced Marriage and Family Relationships, L or SB (3)

SBS 440 Family Studies (3)

SOC 415 The Family, SB (3)

Technology, Media and the Family

COM 424 Television Studies and Criticism (3)

COM 457 New Media (3)

ENG 244 Introduction to Researching Family History (3)

MCO 473 Sex, Love, and Romance in the Mass Media, SB (3)

Health and Family Development

ALD 403 Aging, Lifespan Development, and the Family (3)

ALD 420 Health Issues and Older Adults, SB (3)

ALD 431 Caregiving for Older Adults (3)

CDE 430 Infant/Toddler Development in the Family, SB (3)

CDE 437 Infant Family Assessment and Observation, L or SB (3)

COM 417 Communication and Aging (3)

CRJ 204 Juvenile Justice (3)

FAS 332 Human Sexuality, SB (3)

FAS 431 Parent-Adolescent Relationships, SB (3)

FAS 436 Sexuality in Mid-Life and Beyond (3)

PSY 341 Developmental Psychology, SB (3)

PSY 443 Abnormal Child Psychology, L or SB (3)

PSY 444 Adolescent Psychology and Psychopathology (3)

SOC 312 Adolescence, SB (3)

Community Application

COM 314 Inner-City Families I: The Cycle of Poverty (3)

COM 484 Internship (in consultation with FCC advisor)

Portfolio

COM 498 Pro-Seminar: Family Communication Portfolio (1)*

This course is a synthesis of students' family communication academic experience. The portfolio itself integrates each student's family communication experience with theory and concepts from family communication courses. The portfolio may take a variety of forms, to be negotiated by each student with the instructor. This course is to be taken after a minimum of 12 credits toward the certificate have been completed.

*Substitutions allowed with faculty advisor approval.

Enrollment Requirements:

Please contact the SBS Academic Advising Center to meet with an advisor: <http://newcollege.asu.edu/sbs/college-advising>
(<http://newcollege.asu.edu/sbs/college-advising>)

(<http://newcollege.asu.edu/sbs/college-advising>)

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://famcom.asu.edu/>
FAB S105
SBSadvising@asu.edu
602-543-6058

Film and Video Studies Certificate (ASVIDCERT)

Campus: WEST

Description:

The certificate in film and video studies explores theory and practice in the general field of the moving image. This interdisciplinary program provides students an opportunity to develop interests, skills and knowledge of the forms, channels, technologies and histories of the media arts. Students may pursue focused interests in film studies or adopt a more generalized approach to visual media through television, film and video.

The program is useful to students who may pursue careers in broadcasting, writing and public relations and degrees in production, film studies, media studies, performance studies and communication studies. Courses in the film and video studies certificate are designed to:

- develop astute and discriminating critics and analysts of film and media arts
- develop knowledge of the history of film, television and the video arts as dynamic forces of social, cultural and political expression
- develop practical skills that enable students to be competitive in film, video, television and media-related production industries
- strengthen critical thinking through an awareness of the philosophical, aesthetic, political and technological debates in film, media and video studies

Program Requirements:

A certificate in film and video studies is awarded for the successful completion of 18 credit hours, 12 of which must be upper-division (300 and 400 level). Students must complete a minimum of six upper-division credit hours offered by the School of Humanities, Arts and Cultural Studies and 12 credit hours at ASU. Students choose a focus in media and video studies or film studies. The film studies emphasis focuses on the impact of film and video. The media and video studies emphasis is concerned with the rendering of film and video.

Film Studies Emphasis (18 credit hours):

Core course (3 credits, choose one course):

IAP 201 Introduction to Interdisciplinary Arts, HU (3) OR
IAP 202 Perspectives on Interdisciplinary Arts and Performance (3)

Foundational courses (3 credits, choose one course):

IAP 101 Art, Artist, and Culture, HU (3)
IAP 102 Foundations I: Performance Techniques and Composition (3)
IAP 103 Foundations I: Interdisciplinary Digital Media (3)
IAP 104 Foundations I: Fundamentals of Sound Art (3)
IAP 105 Foundations I: Fundamentals of Visual Art, CS and L (3)

Theoretical, conceptual, and historical courses (3 credits, choose one course):

ENG 365 History of Film, HU (3-4)
IAP 364 Documentaries (3)
IAP 465 Media Technologies and the Arts (3)
IAP 473 Aesthetic Research, L or HU (3)

Applied and Practical courses (6 credits, choose two courses):

COM 429 Semiotics and Visual Communication (3)
IAP 322 Multitrack Digital Recording (3)
IAP 361 Digital Editing and Media Literacy, CS (3)
IAP 364 Documentaries (3)
IAP 394 ST: Acting for the Camera (3)
IAP 466 Digital Interactivity, Advanced (3)

IAP 467 Acoustic Ecology (3)
IAP 474 Art and Film, L or HU (3)

Capstone project (3 credits):
IAP 480 Senior Project (3)*

*The project should reflect the integration of course work with creative initiative to generate a product that stands alone as a piece of original work. For the film studies emphasis the project will focus on an intellectual analysis of some dimension of film products, reception, institutions, economics, and so forth.

Media and Video Studies emphasis (18 credit hours):

Core Course (3 credits, choose one course):
IAP 201 Introduction to Interdisciplinary Arts, HU (3) OR
IAP 202 Perspectives on Interdisciplinary Arts and Performance (3)

Foundational courses (3 credits, choose one course):
IAP 101 Art, Artist, and Culture, HU (3)
IAP 102 Foundations I: Performance Techniques and Composition (3)
IAP 103 Foundations I: Interdisciplinary Digital Media (3)
IAP 104 Foundations I: Fundamentals of Sound Art (3)
IAP 105 Foundations I: Fundamentals of Visual Art, CS and L (3)

Theoretical, Critical, Performance or Production courses (9 credits, choose three courses):
COM 429 Semiotics and Visual Communication (3)
ENG 365 History of Film, HU (3-4)
IAP 334 Conceptual Development in the Arts (3)
IAP 361 Digital Editing and Media Literacy, CS (3)
IAP 363 Sound, Image, and Media (3)
IAP 364 Documentaries (3)
IAP 365 Digital Interactivity (3)
IAP 394 ST: Acting for the Camera (3)
IAP 465 Media Technologies and the Arts (3)
IAP 466 Digital Interactivity, Advanced (3)
IAP 467 Acoustic Ecology (3)
IAP 473 Aesthetic Research, L or HU (3)
IAP 474 Art and Film, L or HU (3)

Capstone project (3 credits):
IAP 480 Senior Project (3)**

**The project should reflect the integration of course work with creative initiative to generate a product that stands alone as a piece of original work. In the media and video studies emphasis, the project may be intellectual or creative (performance or production) in nature. Projects will be examined and evaluated by at least one faculty member involved in the film and video studies minor.

Enrollment Requirements:

The certificate in film and video studies is open to all undergraduate majors.

Students wishing to pursue the certificate should consult an academic advisor in the unit offering that certificate to ensure the appropriate set of courses is taken and required paperwork submitted.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/certificates/film-and-video-studies>
FAB N201
harcs.dept@asu.edu
602-543-4444

Games and Impact Certificate (TEGIMCERT)

Campus: TEMPE

Description:

The certificate in games and impact is intended for undergraduates with a desire to become change agents in their current and future areas of interest, study and training. The certificate provides a solid grounding in the theory, design and use of games as tools for effecting change in education, health and social justice, among other fields. For this reason, it is appropriate for students in a wide range of majors, including interested students in design and programming. Students will study the ethics of design and its consequences, both intended and unintended; how games can lead to social change by improving understanding of complex global systems; transforming conflict and building skills in problem recognition and creative solution design. Certificate students will work on real games, alongside experts and clients, and learn how to design, test and evaluate their impact in real-world environments.

Program Requirements:

All students must complete the following courses:

EDT 310 Games and Impact: The Full Life Cycle (3)

EDT 460 Games, Technology & Society (3)

EDT 461 Understanding Games for Impact (3)

EDT 462 Designing Games for Impact OR an equivalent course on game design (3)

EDT 494 Capstone (3-6)*

*Capstone project taken in consultation with the certificate coordinator.

Requirements:

- A minimum of 15 credit hours is required.
- A grade of "C" or higher is required in all courses taken for the certificate.

Enrollment Requirements: Available only to ASU degree-seeking students.

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<http://education.asu.edu/>

ED 120

educationadvising@asu.edu

480-965-5555

Geographic Information Science Certificate (LAGISCERT)

Campus: TEMPE

Description:

The undergraduate geographic information science certificate program is open to students of all majors at ASU and is built on GIS course work currently being taught at the university. Students who earn the certificate exit the program with standardized skills that are based on the learning outcomes of each required course.

Program Requirements:

The certificate is awarded to students completing at least 20 credit hours with a grade of "C" (2.00) or higher.

Required courses:

CSE 100 Principles of Programming with C++, CS (3) OR

CSE 110 Principles of Programming with Java, CS (3) OR

CST 100 Object-Oriented Software Development (3)

GIS 205 Geographic Information Technologies, CS (3)

GIS 211 Geographic Information Science I, CS (4)

GIS 311 Geographic Information Science II, CS (4)

GIS 470 Statistics for Geographers (3)

Electives (choose one of the following):

ERM 485 GIS in Natural Resources (3)

GCU 361 Urban Geography, SB (3)

GCU 441 Economic Geography, SB (3)

GCU 442 Geographical Analysis of Transportation, SB (3)

GCU 474 Public Land Policy, SB (3)

GCU 484 Internship (1-12)

GIS 341 Introduction to Cartography and Georepresentation (3)

GIS 351 Air Photo Interpretation (3)
GIS 441 Geographics: Interactive and Animated Cartography and Geovisualization (3)
GIS 471 Geographic Information Analysis (3)
GPH 484 Internship (1-12)
PUP 484 Internship (1-12)

Enrollment Requirements:

Any student admitted to study at ASU may complete this certificate. To apply to the university, please complete the Office of Admissions online application. Please contact the school for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/>
COOR 5671
geoplan@asu.edu
480-965-7533

Hazardous Materials and Waste Management Certificate (TSETMCERT)

Campus: POLY

Description:

The certificate program in hazardous materials and waste management is designed to provide current and prospective employees of industry and government with a comprehensive and practical curriculum of study in hazardous materials management. The certificate program features instruction by faculty, attorneys and professionals who work in the specific area in which they teach.

The certificate program is available for nondegree and degree-seeking students.

Program Requirements:

The certificate requires 21 hours. Students must complete seven selected courses (four required and three electives) and earn a grade of "C" (2.00 on a scale of 4.00) or higher to receive the certificate.

Required Courses:

ETM 401 Hazardous Waste Management (3) or ETM 501 Principles of Hazardous Materials and Waste Management (3)
ETM 407 Occupational Hygiene (3) or ETM 507 Industrial Hygiene (3)
ETM 502 Regulatory Framework for Toxic and Hazardous Substances (3) or ETM 527 Environmental/Resources Regulations Concepts (3)
ETM 506 Chemistry of Hazardous Materials (3)

Electives:

ETM courses at the 400 or 500 level (9)

Enrollment Requirements:

For U.S. Department of Education Gainful Employment Program Disclosure information, see
<https://catalog.asu.edu/files/disclosures/TSETMCERT/Gedt.html> (<https://catalog.asu.edu/files/disclosures/TSETMCERT/Gedt.html>).

Contact Information:

Engineering, Ira A. Fulton Schools of
Tech Innovation & Entrepr Mgmt
<http://innovation.asu.edu>
TECH 101
technology@asu.edu
480-727-1874

History and Philosophy of Science Certificate (LAHPSCERT)

Campus: TEMPE

Description:

The School of Life Sciences offers an undergraduate certificate in the history and philosophy of science. This program is designed to give students

an understanding of both traditional philosophic issues surrounding science and the historical development of concrete scientific theories and ideas.

The philosophic questions about how we understand nature through science and how scientific claims gain authority are enriched when they are considered in a historical context. Such philosophic and historical study will also often include the examination of contemporary sciences and their place within the larger society, including the study of bioethics, policy and law.

This certificate is a valuable addition for students in the sciences or the humanities. It crosses disciplines to help students engage in unfamiliar and familiar paths of inquiry in new and interesting ways.

Program Requirements:

All courses counting toward the certificate must be approved by an undergraduate advisor in the School of Life Sciences and passed with a grade of "C" (2.00) or higher.

PHI 314 Philosophy of Science, HU (3) is required.

The certificate requires 18 credit hours bearing a PHI or HPS prefix, of which 12 credit hours must be upper-division.

Within the 18 credit hours, at least nine must bear the HPS prefix.

Enrollment Requirements:

Any student admitted to study at ASU may complete a certificate. To apply to the university, please complete the Office of Admissions online application. Please contact the School of Life Sciences for more information and see <https://sols.asu.edu/undergraduate-studies/degrees> (<https://sols.asu.edu/undergraduate-studies/degrees>).

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<https://sols.asu.edu/undergraduate-studies/degrees>
LSC 206
sols.advising@asu.edu
480-727-6277

Homeland Security Certificate (PPHSLCERT)

Campus: DTPHX, ONLNE

Description:

The homeland security certificate will provide students with the skills and credentials necessary to prepare them to enter fields specializing in homeland security. Students will receive extended education in topics such as domestic and international terrorism, cyber terrorism and advanced crime courses.

Program Requirements:

The following courses are required (15 credits):

CRJ 100 Introduction to Criminal Justice, SB (3)
CRJ 201 Criminal Justice Crime Control Policies and Procedures (3)
CRJ 412 International Terrorism (3)
CRJ 417 Cyber Terrorism (3)
CRJ 419 Domestic Terrorism (3)

The following courses are electives (6 credits):

CRJ 350 Law and Social Control, SB (3)
CRJ 422 Violence in America (3)
CRJ 462 Gangs (3)
CRJ 463 White Collar Crime (3)
CRJ 464 Organized Crime (3)
CRJ 494 Media, Crime and Criminal Justice (3)

Enrollment Requirements:

There are no additional admission requirements other than those required for admission to ASU.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Contact Information:

Public Programs, College of
School of Criminology and Criminal Justice
<http://ccj.asu.edu/>
UCENT 600
SCCJ@asu.edu
602-496-2356

Honors Business Consulting Certificate (BAECNUERT)

Campus: TEMPE

Description:

This certificate is designed to enhance student's knowledge in a major while also adding to the understanding of business strategy in a global market. The required curriculum strengthens skills in:

- business judgment
- conceptualization of strategic solutions
- critical thinking and problem-solving

Program Requirements:

The program consists of 15 credit hours of course work. Students must meet all prerequisites and course requirements as listed in the catalog. All 15 credit hours must be ASU credit.

Honors Business Core, with grade of "B" or higher in each course (6):

ECN 303 Honors Managerial Economics (3)

FIN 303 Honors Finance (3)

MGT 303 Honors Organizational Strategies, Leadership and Behavior (3)

MKT 303 Honors Marketing Theory and Practice (3)

SCM 303 Honors Global Supply Operations (3)

Business Modeling and Analysis, with grade point average of 3.00 or higher; only courses in which a student earns a grade of "C" (2.00) or higher may be used (9):

WPC 494a Consulting in Business (3)

WPC 494b Modeling Tools in Consulting (3)

WPC 494c Consulting Projects (3) OR

WPC 493 Honors Thesis (3)

Enrollment Requirements:

The certificate is limited to honors students in the W. P. Carey School of Business. Students must submit an application for admission during the spring semester of their sophomore year.

Please contact the department for more information.

Contact Information:

Business, W. P. Carey School of
Department of Economics
<https://my.wpcarey.asu.edu/undergrad/academics/honors-certificate.cfm>
MCRD 102
wpcacademy@asu.edu
480-965-8710

Human Rights Certificate (LAHRTSCERT)

Campus: TEMPE

Description:

The certificate provides students with historical, legal and philosophical perspectives from which to think broadly and critically about human rights issues. Course work will prepare student to design solutions to dilemmas such as:

- child welfare
- economic development
- education
- environment
- health
- indigenous rights
- labor rights
- violence against women
- water and energy resources

Program Requirements:

Students must complete 18 hours of qualifying course work, at least 12 hours of which must be from ASU. A minimum grade of "C" (2.00) is required for a course to count toward the certificate.

Required Certificate Core Courses:

Global Politics of Human Rights (3) (students must select one of the following courses):

JUS 352 The Global Politics of Human Rights (3)

POS 480 Global Justice (3) Human Rights Institutions and Organizations (3) (students must select one from the following options):

JUS 394 Human Rights Organizations and Institutions (3)

POS 465 International Organization and Law (3)

SGS 321 International Institutions and Global Governance (3)

Interdisciplinary Component (9)

Students must select three electives on current issues in human rights. Courses must be taken from at least two of the substantive areas listed below and from two or more academic units. Any course listed below may count toward this requirement, as well as other courses as approved by the certificate program director.

Marginalization and Human Rights

AFR 301/JUS 300 Race and Racism in the Africa/African Diaspora, SB, G (3)

AFR 304/JUS 304 Islands of Globalization: Caribbean Politics and Political Economy, SB, G, H (3)

AFR 420 Race, Ethnicity and Politics in the African Diaspora, SB, G (3)

APA 330/WST 331 Asian Pacific American Genders and Sexualities, SB, C (3)

APA 360 Asian Pacific American Experience, HU or SB, C (3)

ASB/SBS/SOC/POS/339 Grassroots Social Movements, SB (3)

JUS 430 Social Protest, Conflict and Change, L or SB, C (3)

JUS 469 Political Deviance and the Law, L or SB, C (3)

JUS/POS 473/REL 482 Religion, Violence and Conflict Resolution (3)

POS 480 Global Justice, G (3)

REL 388 Religion, Ethics & International Politics (3)

SGS 343 Religion, Nationalism and Ethnic Conflict, HU, G (3)

SOC 445 Globalization, Development and Resistance, SB, G (3)

WST 345 Gender, Religion, and Global Violence, SB, G (3)

WST 410 Poverty, Social Justice, and Global Health, L or SB, G (3)

Social Stratification and Human Rights

AFR 305 The Global History of the Trans-Atlantic Slave Trade, SB, H (3)

AFR 470 Women's International Human Rights (3)

APA/AFS/CDE/SOC 350/TCL 360/JUS 365 Inequality and Diversity in Education, C (3)

JUS 321 Wealth Distribution and Poverty, SB, C (3)

JUS 325 Globalization and Socio-Economic Justice, SB, G (3)

JUS 405 Economic Justice, L or SB, G (3)

JUS 415 Gender and International Development, L, G (3)

JUS 477 Youth and Justice, L or SB, (3)

PHI 336 Social and Political Philosophy, HU (3)

WST 365 Women and International Health, G (3)

WST 470 Gender and Popular Culture, HU, C (3)

States and Conflict

HST 370 Eastern Europe in Transition, SB, G, H (3)

HST 436 The Soviet Experiment, SB, G, H (3)

JUS 374 The Holocaust, Genocide and Human Rights (3)

JUS 452 Justice Issues in Israel and Palestine: The Political is Personal (3)

JUS 467 Terrorism, War and Justice, SB (3)

JUS 469 Political Deviance and the Law, L or SB, C (3)

JUS 479 Law and Disputing, L or SB (3)
JUS 494 Justice in Times of Transition (3)
POS 368 Ethics and Human Rights (3)
POS 465 International Organizations and Law, SB, G (3)
REL 388 Religion, Ethics and International Politics (3)
REL 486 Holocaust on Film (3)

Experiential Learning Component (3)

students will choose one of the following, in consultation with the advisor:

JUS 484 Internship (3)
JUS 498 Pro-Seminar: Research Apprenticeship (3)

Enrollment Requirements:

Students who have attained junior standing (56 credit hours) in any undergraduate degree program in any field at ASU are eligible for admission to the certificate in human rights. There are no formal admissions procedures to begin certificate course work, but students should contact the certificate in human rights program director or an advisor as soon as they decide to begin pursuing the certificate.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://sst.clas.asu.edu/undergrad/why-study-school-social-transformation>
WILSN 125
SST@asu.edu
480-965-7682

Informatics Certificate (ESCPICERT)

Campus: TEMPE

Description:

The certificate in informatics teaches students to use computer technology to gather, synthesize, store, visualize and interpret information. These skills are critical to a broad range of disciplines. This certificate provides students with an understanding of the capabilities and technologies of informatics as it applies to domain specific problems in their field of study.

Students completing this certificate are able to use methods for and understand the basic computational principles behind the operation of:

- communication, networking and interaction
- decision-making and problem-solving
- modeling, inference and visualization
- representing, creating and running routine activities
- storing, indexing and retrieving information

Graduates should be in high demand within the software industry, but also in government, education, science, medicine and other fields that make use of computer technology. Students with the applied and user-oriented focus of the certificate will be attractive to such employers.

Program Requirements:

This program requires 21 credit hours of course work. Students will take 15 credit hours of required courses and will choose six credit hours of elective course work. Note: some of the required courses have additional prerequisites.

Core Courses:

CPI 101 Introduction to Informatics, CS (3)
CPI 200 Mathematical Foundations of Informatics, MA (3)
CPI 310 Web-Based Information Management Systems (3)
CPI 360 Decision Making and Problem Solving (3)
STP 226 Elements of Statistics, CS (3)**Please consult an advisor about alternate statistics courses.
Electives* (select two):
ART 345 Visualization and Prototyping (3)
BIO 355 Introduction to Computational Molecular Biology, CS (3)
CIS 300 Web Design and Development (3)
CPI 350 Evaluation of Informatics Systems (3)
CPI 400 Scientific Computing and Visualization (3)
CPI 430 Social Simulation, CS (3)

ENG 374 Technical Editing (3)
GPH 370 Geographic Information Technologies, CS (3)
SOS 334 Technology and Society (3)
STS 306 Social Effects of Science and Technology, SB (3)

*Certain departments may offer additional courses which could satisfy this elective requirement. Please consult with an advisor for approvals.

Enrollment Requirements:

The undergraduate certificate in informatics is available to students in noncomputing majors who are in good standing at ASU and may be used by BIS students as part of their degree program. Students need to submit an undergraduate certificate form to the School of Computing, Informatics and Decision Systems Engineering Academic Advising Center located in BYENG, Room 208. This form is available on the registrar's website. BIS students need to contact their BIS advisor to add the informatics concentration to their degree program.

Contact Information:

Engineering, Ira A. Fulton Schools of
Computing and Informatics Program
<http://cidse.engineering.asu.edu/>
BYENG 208
cidse.advising@asu.edu
480-965-3199

International Business Certificate (BAIBSCERT)

Campus: TEMPE

Description:

Students can expand their horizons and opportunities by learning about the global economy. The certificate is designed to:

- develop competence in a foreign language
- develop sensitivity to foreign cultures
- provide an awareness of global social processes
- provide an understanding of international business environments, principles and operations

The W. P. Carey School of Business has partnerships with universities in Europe, Asia and Latin America, so students can experience new cultures, visit new places, and build intercultural and language skills. International internships also are offered in conjunction with the ASU Study Abroad Office.

Program Requirements:

This certificate program requires a minimum of 18 credit hours, which are outlined below. All business course work must be completed through the W. P. Carey School of Business or through an approved ASU international study program. Only courses in which a student receives a grade of "C" (2.00) or higher may be used to meet the certificate requirements, and an overall certificate GPA of at least 2.50 must be earned. Students must meet all course prerequisites and requirements as listed in the ASU catalog. Certificate requirements must be completed within one year of graduation date.

The four required areas of completion for the certificate are:

international business course work (9)
nonbusiness global awareness course work (9)
international study experience
language proficiency

A. International Business Course Work (9)

Three international business courses must be taken. Students must choose one foundation course and two electives.

Foundation course:

MGT 302 Principles of International Business, G (3) or ECN 306 Survey of International Economics, SB, G (3)

Electives (choose two for a total of six credits):

ECN 331 Economics of the European Economic Union, SB and G (3)

ECN 335 South Asia and the World Economy, SB and G (3)

ECN 360 Economic Development, SB and G (3)

ECN 365 Economics of Russia and Eastern Europe, SB and G (3)

ECN 436 International Trade Theory, SB and G (3)

ECN 438 International Monetary Economics, SB and G (3)

FIN 456 International Financial Management, G (3)

MGT 400 Cross-Cultural Management, C and G (3)

MGT 459 International Management, G (3)

MKT 425 Global Marketing Management, G (3)

SCM 463 Global Supply Chain Management, G (3)

Study abroad business courses*

*300+ level WPC-prefixed courses earned on a sponsored ASU Study Abroad program may be applied toward the IBC elective area, per approval of the International programs coordinator. Courses applied toward the W. P. Carey business core cannot be used toward the IBC elective area.

B. Nonbusiness Global Awareness Course Work (9)

These hours may be satisfied by any combination of the following:

- strong>Recommended: It is recommended to choose courses related to the area of study abroad experience. Additional courses may be approved by the international program coordinator.
- Students can choose any of the university designated nonbusiness global awareness ("G") courses.
- Nonbusiness global awareness hours may also be satisfied by:
 - An ASU or W. P. Carey School of Business education abroad program for one semester fulfills all nine hours of nonbusiness global requirements.
 - An ASU or W. P. Carey School of Business program earning six credit hours fulfills six of the hours of nonbusiness global requirements.
 - An ASU or W. P. Carey School of Business program earning three credit hours fulfills three of the hours of nonbusiness global requirements.

C. Foreign Language Proficiency

The certificate program requires the equivalent of one year of college-level study of a foreign language. Foreign language proficiency is met in one of the following ways:

- completion of one year (two semesters) of the same foreign language at the college level
- completion of one semester of the equivalent of 101- and 102-level course work
- completion of two years of the same foreign language in high school with a minimum grade of "C" (2.00)
- documentation of a proficiency test confirming preparedness to start at least the second year of a foreign language (201 level or above)

A student whose first language is not English may have this requirement waived.

D. International Study Experience

Participation in an ASU-approved international study program is required.

Enrollment Requirements:

Students need to complete an application, which is available online or in BA 160. Please contact the department for more information and see <https://my.wpcarey.asu.edu/undergrad/academics/ibc.cfm> (<https://my.wpcarey.asu.edu/undergrad/academics/ibc.cfm>).

For U.S. Department of Education Gainful Employment Program Disclosure information, see <https://catalog.asu.edu/files/disclosures/BAIBSCERT/Gedt.html> (<https://catalog.asu.edu/files/disclosures/BAIBSCERT/Gedt.html>).

Contact Information:

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
<http://wpcarey.asu.edu/>
BA 160
wpcglobalprograms@asu.edu
480-965-4227

International Studies Certificate (LAINSCERT)

Campus: TEMPE

Description:

The international studies certificate is designed to prepare students for careers in government agencies, international governmental and nongovernmental organizations, multinational firms and banks, and for graduate studies in international relations or political science. The certificate is not a substitute for degree requirements in any subject, including political science; rather, the required courses add an international and comparative dimension to the student's chosen major.

Program Requirements:

Requirements for the certificate are intended to provide an understanding of international relations and comparative government, an awareness of global, social and political-economic processes, and sensitivity to foreign political systems and cultures. These objectives are met by a sequence of political science courses in the areas of international relations, comparative politics and area studies. Students majoring in any subject at the university may be awarded the international studies certificate upon completion of the following 15 credit hours of political science courses.

Choose one from the courses below:

POS 150 Comparative Government, SB, G (3)

POS 160 Global Politics, SB, G (3)

Choose one from the courses below:

POS 361 American Foreign Policy, SB, G (3)

POS 364 National Security, Intelligence and Terrorism, SB (3)

Choose two from the courses below:

POS 300 Contemporary Global Controversies, SB, G (3)

POS 368 Ethics and Human Rights (3)

POS 465 International Organization and Law, SB, G (3)

POS 467 International Security, SB, G (3)

POS 486 International Political Economy, SB, G (3)

Choose one from the courses below:

POS 350 Comparative Politics, SB, G (3)

POS 356 European Union, SB, G (3)

POS 357 South Asia Politics, SB, G (3)

POS 358 Southeast Asia, SB, G (3)

POS 359 African Politics and Society, SB, G (3)

POS 360 World Politics, SB, G (3)

POS 451 China, Japan and the Koreas, SB, G (3)

POS 452 China, SB, G (3)

POS 453 Latin America, SB, G (3)

POS 454 Mexico, SB, G (3)

POS 468 Comparative Asian Foreign Policies, SB, G (3)

Certificate students must have a minimum GPA of "C" (2.00); only courses in which students have a grade of "C" (2.00) or higher count toward the certificate. A minimum of six upper-division credit hours must be taken in courses offered by the College of Liberal Arts and Sciences.

Enrollment Requirements:

Any student admitted to study at ASU may complete a certificate. To apply to the university, please complete the Office of Admissions online application. Please contact the School of Politics and Global Studies for more information about completing the international studies certificate.

Contact Information:

Liberal Arts & Sciences, College of
School of Politics and Global Studies
<https://pgs.clas.asu.edu/>
COOR 6797
spgs@asu.edu
480-965-6551

Islamic Studies Certificate (LAISLCERT)

Campus: TEMPE

Description:

Any student admitted to study at ASU is eligible for the Islamic studies certificate program. Students who complete all the requirements of their undergraduate major, their college and the certificate program receive the certificate plus transcript recognition of its completion. The certificate program is designed to prepare students for graduate programs in religious studies, Islamic studies and area studies or for any academic discipline (such as professional programs in international law and business) that focuses on global Muslim society. Students wishing to add the certificate in Islamic studies to their plan of study must consult with an academic advisor in the School of Historical, Philosophical and Religious Studies.

Program Requirements:

Students complete a minimum of 26 credit hours, chosen in consultation with the Islamic studies program coordinator. A minimum grade of "C" (2.00) is required in each course. A minimum of 12 upper-division credit hours are required. To earn the certificate, students must complete these requirements:

- eight credit hours of Arabic, Indonesian, Farsi or other Islamic language approved by the program coordinator*
- nine credit hours of required core courses including REL 260 Introduction to Islam, HU, G (3), REL 365 Islamic Civilization, HU, H (3) and REL 366 Islam in the Modern World, HU, H, G (3)
- nine elective credit hours in courses from a variety of disciplines that deal with Islam or Islamic studies, including courses from at least two of three geographic regions (Africa and the Middle East, American and Europe, Asia)

*Students who are native speakers of these languages or who otherwise have equivalent knowledge substitute two additional courses approved by the program coordinator.

Enrollment Requirements:

There are no specific admission requirements other than a student's desire to learn about Islam and Islamic societies and culture.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/islamic>
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

Jewish Studies Certificate (LAJUDCERT)

Campus: TEMPE

Description:

The Jewish studies program is designed with the following goals in mind:

- to examine the history and culture of the Jews
- to generate and facilitate research on Judaica
- to provide the community with programs, courses and research, furthering the understanding of Judaica
- to provide a model for interdisciplinary teaching and research
- to stand as an example of the university's commitment to a program of meaningful ethnic studies on a firm academic base

Program Requirements:

To complete the certificate in Jewish studies, a student must successfully complete 21 credit hours in approved Jewish studies with a grade no lower than a "C" (2.00) in any course. At least 12 credit hours must be completed at the upper-division level. Students should declare the Jewish studies certificate as early as possible in their program of study with an academic advisor in the School of Historical, Philosophical & Religious Studies. Curriculum requirements include the following:

- formal declaration of intent through the submission of the Certificate in Jewish Studies Application to the School of Historical, Philosophical and Religious Studies advising center
- completion of at least two semesters of Hebrew language or equivalent approved courses

one Jewish studies course in three of the following five areas:

- history
- humanities
- literature
- religious studies
- social studies
- two courses of the student's choice in any Jewish studies-related subject

Students petition for receipt of the certificate by notifying the School of Historical, Philosophical and Religious Studies advising center upon completion of courses.

Enrollment Requirements:

Any student admitted to study at ASU may complete a certificate.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://jewishstudies.clas.asu.edu/certificate>
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

Knowledge Entrepreneurship and Innovation Certificate (BAKEICERT)

Campus: TEMPE

Description:

The certificate program is comprised of three university-wide core courses followed by two courses within a student's disciplinary college. Individual colleges will be encouraged to offer a capstone course as part of the program. Beyond topics related specifically to entrepreneurial business practices, courses include such topics as social entrepreneurship, arts entrepreneurship, idea generation and storytelling as additional perspectives for the student entrepreneur.

Students completing the certificate in knowledge entrepreneurship and innovation have their achievements recognized on their transcripts. Career services markets the certificate to potential employers, highlighting the innovative skills that students with this designation can offer.

Program Requirements:

Required Core

CORE 1: MGT 290 My Life Venture (3) OR TEM 200 My Technology Venture (3)

CORE 2: MGT 340 Creativity and Innovation, HU or L (3) OR TEM 230 Creativity and Business Innovation (3)

CORE 3: MGT 360 Entrepreneurship and Value Creation (3) OR TEM 400 Technology Entrepreneurship (3)

Capstone Experience (at least 6 credit hours)

- It is the student's responsibility to check the prerequisites required by courses in their discipline.
- Capstone courses will be designated and approved by individual disciplinary colleges.
- Capstone courses will consist of existing courses or new courses created by departments.

Prerequisite Information

- In order to enroll in MGT 360 Entrepreneurship and Value Creation the student should be a W. P. Carey BS, BA or a Secondary Education (Business) student who has taken ACC 240, ACC 241 or ACC 242 with a grade of "C" (2.00) or better. A nonbusiness student with 2.50 ASU cumulative GPA with 56 earned hours who has taken MGT 290 My Life Venture may enroll. This course also has a prerequisite or corequisite requirement of MGT 340 Creativity and Innovation with a grade of "C" (2.00) or better.
- MGT 340 Creativity and Innovation has a prerequisite requirement of W. P. Carey School of Business BS or BA student, OR nonbusiness student with 2.5 ASU Cumulative GPA, 56 earned hours and prerequisite or corequisite of MGT 290 My Life Venture.

Enrollment Requirements:

Students need to complete an application. Please contact the department for more information and see

<https://my.wpcarey.asu.edu/undergrad/academics/my-life-venture.cfm> (<https://my.wpcarey.asu.edu/undergrad/academics/my-life-venture.cfm>).

Contact Information:

Business, W. P. Carey School of
Department of Management
<https://my.wpcarey.asu.edu/undergrad/academics/my-life-venture.cfm>
BA 352A
wpcareymgt@asu.edu
480-965-1184

Korean Studies Certificate (LAKORCERT)

Campus: TEMPE

Description:

The certificate in Korean studies aims to train and produce students who are linguistically able and culturally informed. The program consists of two major components. The first is to build students' Korean language proficiency in the areas of speaking, listening, reading and writing. The second is to offer students a broad range of knowledge of the culture, literature, history, art and religions of Korea. The certificate allows students to focus on Korean studies, which cannot be attained through the existing degree or nondegree programs in East Asian studies at ASU.

The program will enrich students' perspectives on different cultures and societies at the intellectual level and also equip students with practical knowledge of Korea that will benefit careers in various professions, including academe, government work, international trade, nongovernmental organizations and translations.

Program Requirements:

Language. Students must demonstrate proficiency in the Korean language at the intermediate level. The language requirement can be satisfied by completing the KOR 201-202 sequence, one year of study abroad at the intermediate level, or achieving a satisfactory score on a proficiency exam. Visit <https://international.clas.asu.edu/testing> (<https://international.clas.asu.edu/testing>) for more information on the proficiency exam schedule.

Core Courses (12 credit hours). Students must complete at least 12 credit hours at or above the 300-level of core courses from the following:

KOR 313 Third-Year Korean I, G (3)

KOR 314 Third-Year Korean II, G (3)

KOR 347 Korean Film and Literature, HU (3)

KOR 350 Women of Korea, H (3) or REL 354 Religious Traditions of Korea, HU (3)

Elective courses (6 credit hours). In addition to the above core courses, students are required to complete six credit hours from an approved list of electives. These courses must be from two different disciplines. The following are examples of appropriate electives:

CHI 494 Print Culture and Book in East Asia (3)

HST 303 Studies in Asian History, SB, H (3)

HST 388 Japan, SB, G, H (3)

HST 451 Chinese Cultural History I, HU or SB, H (3)

HST 452 Chinese Cultural History II, SB, G, H (3)

KOR 321 Korean Literature in Translation (3)

KOR 394 Love Stories in East Asia (3)

KOR 494 Korean for Professional Purposes I (3)

KOR 494 Korean for Professional Purposes II (3)

REL 345 Asian Religious Traditions, HU, G (3)

Additional courses may be approved by the coordinator of the certificate. These credit hours will be chosen in consultation with a School of International Letters and Cultures advisor or the coordinator of the certificate. The completion of the requirements will be reviewed both by the students' designated advisors and the coordinator of the program. A minimum grade of "C" or better is required in each course. In the end, the coordinator will sign off on the certificates.

Enrollment Requirements:

ASU students admitted to a degree program in any field of study would be eligible for the Korean studies certificate program. Other than the course work and examinations required in the major field of interest, students would be responsible for fulfilling the minimum requirements of 18 credit hours (at least 12 credit hours for core courses) in addition to the basic language requirement to earn the Korean studies certificate.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<https://international.clas.asu.edu/undergrad/minors-certificates>

LL 440

silcadvising@asu.edu

480-965-6281

Latin American Studies Certificate (LALASCERT)

Campus: TEMPE

Description:

The Latin American studies certificate program is designed to give students an understanding of culture, economies, political structures and the history of Latin American nations. The certificate combines six courses across disciplinary boundaries to provide a diverse perspective of the Latin American experience. The Department of Economics, the School of Geographical Sciences and Urban Planning, the School of Historical, Philosophical and Religious Studies, the School of Politics and Global Studies, the School of Human Evolution and Social Change, the School of International Letters and Cultures (Spanish and Portuguese) and the School of Transborder Studies offer courses that combine in the interdisciplinary certificate.

Program Requirements:**Language Requirement:**

The certificate requires Spanish or Portuguese proficiency through the 313 level of conversation and composition. Native speakers, or those with in-field experience equivalent to SPA 313 or POR 313, can have this requirement waived. The School of International Letters and Cultures, under the leadership of its director, is charged with the evaluation of language competency.

While students are encouraged to enroll in language instruction courses (i.e., conversation and composition) above the 313 level, they cannot apply such course work to the Latin American Studies certificate course requirements.

Latin American Content Course Requirements:

Students will take 18 upper-division semester hours (six courses) from the list of undergraduate Latin American content courses. See the advisor in the School of International Letters and Cultures for the list of courses. Students are required to select nine semester hours (three courses) from within their major and nine semester hours (three courses).

Language instruction courses dealing with Spanish and Portuguese conversation and composition cannot be used to satisfy the content course requirement.

Courses used to satisfy these requirements must receive a minimum grade of C.

ASU Tempe and West campuses will supply the courses for this certificate. At least four of the six courses must be taken at ASU Tempe.

Enrollment Requirements:

Any student admitted to study at ASU may complete a certificate.

Students will file the Certificate Program in Latin American Studies Planning Sheet with Cynthia Tompkins, in the Durham Languages and Literatures building, room 424 or latinamericancertificate@asu.edu (<mailto:latinamericancertificate@asu.edu>).

For more information, contact the School of International Letters and Cultures and see the school's website for more information.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/undergrad/minors-certificates>
LL 440
silcadvising@asu.edu
480-965-6281

Leadership and Ethics Certificate (PPLDECERT)

Campus: DTPHX

Description:

The certificate in leadership and ethics is designed for undergraduate students who are interested in developing leadership skills or wish to enhance their degree in an existing major at ASU, working adults who may wish to further their education yet may not be looking for a degree program, or BIS students who seek to combine certificates with their degree.

The certificate program provides a catalyst for students to become ethical leaders of organizational and community change. This certificate is designed to:

- explore the relationship between leadership and the capacity for individuals to assume responsibility for their actions and to act with a sense of ethics and integrity
- focus on understanding the broad interdisciplinary field of leadership and its application to various elements of society and community
- prepare individuals for positions of leadership and responsibility in the university, student organizations, in their communities and throughout their careers in business, government and society

Program Requirements:

The certificate in leadership and ethics requires four core courses (12 credit hours), including a leadership capstone experience, and one elective discipline-based course in leadership or ethics (3 credit hours). The three hours of elective course work may be selected from an approved list of

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elective classes or upon the recommendation of the department.

All courses applied to the certificate must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Core Courses:

PAF 311 Leadership and Change, SB (3)

PAF 410 Building Leadership Skills, SB (3)

PAF 421 Leadership Capstone (3)

PAF 460 Public Service Ethics (3)

All core courses and the leadership capstone must be taken at Arizona State University. Any course substitutions for the certificate are at the discretion of the School of Public Affairs.

Enrollment Requirements:

There are different application requirements, depending on the student's enrollment status with ASU. Students are also encouraged to schedule an appointment with the undergraduate academic adviser in the School of Public Affairs.

Undergraduate Students Currently Enrolled at ASU

Current students interested in earning the certificate must complete a request to add an undergraduate certificate and return it to the undergraduate academic advisor in the School of Public Affairs at the University Center on the Downtown Phoenix campus. Students may begin taking courses before they formally register for the certificate; however, they are encouraged to complete the paperwork as soon as possible.

Download the request to add an undergraduate certificate at <https://students.asu.edu/forms/undergraduate-certificate> (<https://students.asu.edu/forms/undergraduate-certificate>).

Individuals Not Currently Enrolled at ASU

Individuals who are not currently enrolled as students at Arizona State University must complete an application to enroll as a nondegree-seeking student before they may begin taking courses. For information on admission and to complete an application, visit the university's nondegree student admission page at <https://students.asu.edu/admission/nondegree> (<https://students.asu.edu/admission/nondegree>).

Once students have been admitted, they are eligible to enroll in courses to complete the certificate program.

Contact Information:

Public Programs, College of

School of Public Affairs

<https://spa.asu.edu/programs/undergraduate/leadership>

UCENT 400

spa@asu.edu

602-496-0450

Leadership, Ethics and Service Certificate (PPLETSCERT)

Campus: DTPHX

Description:

The certificate program includes course work with an emphasis on values, ethics, leadership and public service. In addition to in-class instruction, the certificate includes a service learning component during the summer and out of classroom activities.

Program Requirements:

The certificate consists of the following courses:

CRD 435 Service Learning for Community Development (3)

NLM 235 Foundations of Ethics and Leadership (3)

NLM 410 Social Entrepreneurship (3)

PAF 400 Senior Capstone Project (3)

PAF 410 Building Leadership Skills (3)

Enrollment Requirements:

A limited number of students will be admitted to the program based on the following:

- GPA
- a personal statement
- two reference letters
- evidence of community engagement

Contact Information:

Public Programs, College of
School of Public Affairs
<http://copp.asu.edu>
UCENT 400
copp@asu.edu
602-496-0600

Lesbian, Gay, Bisexual and Transgender Certificate (PPLGBTCERT)

Campus: DTPHX

Description:

The undergraduate certificate in lesbian, gay, bisexual and transgender studies is offered by the Committee on Lesbian, Gay, Bisexual, and Transgender Studies, administered through the College of Public Programs. Advising is provided through the School of Letters and Sciences. Lesbians, gay men, bisexuals and transgendered people play important roles as colleagues, clients, parents, children, siblings, neighbors, employees, employers, religious leaders and friends. Given the increasing visibility and changing political climate for LGBTQ people in the United States, all students, not only those who identify themselves as gay, lesbian, bisexual or transgender, are served well by learning about the histories, communities and contemporary social issues regarding people from LGBTQ backgrounds.

The educational experience is enhanced when students are introduced to complex intersections between and among sexual, racial, ethnic, religious, geographic and national identities. The philosophy of this certificate program is to promote intellectual and pedagogical diversity as one of the university's greatest assets, and this is done, in part, by instilling in students a sensitivity to cultures different from their own and through careful analysis of the self in historical, artistic and sociocultural contexts.

The goals of the certificate program are to give students:

- knowledge about the history, evolution of and current issues facing the LGBTQ community
- practical experience utilizing course work knowledge in the community through an internship or community service project
- theoretical perspectives on heterosexuality as a presumptive sexual identity
- an understanding of lesbian, gay, bisexual and transgender studies as an academic area of inquiry
- an understanding of community politics, dynamics and conflicts
- use-inspired education that culminates in a public presentation

Program Requirements:

The certificate requires 15 credit hours; a minimum of 12 must be upper division.

Required Courses:

SWU 180 Introduction to Lesbian, Gay, Bisexual, and Transgender (LGBT) Studies (3)

Electives (9):

electives are selected from an approved list*

Capstone (3)

*Please see: <https://sls.asu.edu/index.php?q=lgbt/>. (<https://sls.asu.edu/index.php?q=lgbt/>)

Enrollment Requirements:

Students interested in admission to the certificate program should meet with a LGBT certificate academic advisor in the School of Letters and Sciences as soon as possible in order to complete a certificate declaration form and to select courses that most appropriately meet students'

individual needs. For more information see: <https://sls.asu.edu/index.php?q=lgbt/> (<https://sls.asu.edu/index.php?q=lgbt/>).

Contact Information:

Public Programs, College of
College of Public Programs
<https://sls.asu.edu/lgbt/>
UCENT 300
copp@asu.edu
480-965-4464

Medieval and Renaissance Studies Certificate (LAMRSCERT)

Campus: TEMPE

Description:

In order to reflect the interdisciplinary nature of the field, the Arizona Center for Medieval and Renaissance Studies has established a certificate program for undergraduate students in medieval and Renaissance studies.

The program provides students the opportunity to take classes from several disciplines and to receive training in both Latin, the international language of the periods, and early vernacular languages. Obtaining the certificate prepares undergraduate students for advanced study in their fields.

Program Requirements:

In addition to the course work and examinations required in a student's major field of study, the following minimum requirements must be fulfilled to earn the certificate:

classical Latin (6)

Latin (classical or medieval) or a vernacular language of the period (e.g., Old English, Old Norse, Old French, Renaissance Italian) (6)

course work in medieval and Renaissance studies outside the major discipline (6)

thesis (3)*

*Students must write within their major on a topic concerning the Middle Ages or Renaissance. Students may earn three credit hours of independent study for the thesis. The thesis may be used to fulfill the Honors College thesis requirement for students enrolled in Barrett, the Honors College.

Enrollment Requirements:

Any student admitted to a degree program at ASU may complete a certificate. Please contact the Arizona Center for Medieval and Renaissance Studies for more information and to complete the online application:<http://acmrs.org/academic-programs/certificate> (<http://acmrs.org/academic-programs/certificate>).

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://acmrs.org/academic-programs/certificate>
COOR 4432
acmrs@asu.edu
480-965-8097

Nonprofit Professional Certificate (PPNPYCERT)

Campus: DTPHX

Description:

This nationally recognized certificate program awards qualified students from diverse academic fields with the National Certified Nonprofit Professional credential. The CNP is awarded through the Nonprofit Leadership Alliance (formerly American Humanics, Inc.), a consortium of universities, nonprofits and funders, that are committed to preparing students for management careers in the nonprofit sector. The NLA/ASU program provides curricular and cocurricular programs that prepare students through its competency-based, experiential (out-of-classroom) educational framework. The program is ideal for students wishing to complement their majors with a strong core of nonprofit management knowledge and skills through professional affiliation with and certification by the Nonprofit Leadership Alliance, the nation's leader in education for nonprofit careers. NLA collaborates with a number of national nonprofit organizations as well as locally based grass-roots organizations that actively seek NLA/ASU program interns and job candidates.

Program Requirements:

The program includes active participation by nonprofit professionals who offer workshops, seminars, mentoring and field trips. The certified nonprofit professional credential can be earned in conjunction with any bachelor's degree and requires successful participation in cocurricular, experiential activities in addition to required academic course work.

Required Courses:

NLM 220 Introduction to Nonprofit Organizations (3)

NLM 300 Fund Raising and Resource Development (3)

NLM 310 Volunteer Management (3)

NLM 320 Professional Development Seminar (4) (one credit each, over four semesters)

NLM 420 Nonprofit Leadership Alliance Institute (2)

NLM 430 Managing Nonprofit Organizations, L (3)

NLM 463 Senior internship (12)

Enrollment Requirements:

Applications for the Certified Nonprofit Professional certificate are available through the School of Community Resources and Development academic advisors and the Nonprofit Leadership Alliance senior program coordinator.

- 30 hours of graded course work
- minimum "C" (2.00) grade required for all classes in the certificate
- minimum GPA of 2.00 for those pursuing the certificate
- should be a junior to take 400-level courses

For U.S. Department of Education Gainful Employment Program Disclosure information, see

<https://catalog.asu.edu/files/disclosures/PPNPYCERT/Gedt.html> (<https://catalog.asu.edu/files/disclosures/PPNPYCERT/Gedt.html>).

Contact Information:

Public Programs, College of

School of Community Resources and Development

<http://scrd.asu.edu>

UCENT 550

scrd@asu.edu

602-496-0550

Oral History Certificate (ASOHCCERT)

Campus: WEST

Description: The oral history certificate in the New College of Interdisciplinary Arts and Sciences introduces students to the interdisciplinary theories and methods of oral history that enable scholars, students and practitioners to collect, document and preserve the stories and memories of people's lives. The certificate will train students to acquire critical knowledge and applied skills and to abide by the professional standards involved in oral history documentation, research and presentation. Students in the program may build on existing projects or develop new community relationships at local, national and international levels. Consistent with ASU's mission and New College goals, the certificate fosters an understanding and appreciation of diverse cultures, past and present, and engages students in socially embedded and ethical practices in oral history research and interviewing.

Program Requirements:

Students must meet with the program coordinator to review the requirements and sign the certificate check sheet agreement. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department recognizes the certificate. All course work in the program must be completed with a grade of "C" (2.00) or higher. A total of 18 credit hours is required.

Residency Requirement

Of the 18 upper-division credit hours required for the certificate, students must complete a minimum of six upper-division (300 and 400 level) credit hours offered by the New College of Interdisciplinary Arts and Sciences.

Core Requirements

HRC 310 Social and Cultural Studies: Method and Theory (3)

HRC 480 Capstone: Practices and Approaches (3)

The course bank includes upper-division courses offered across the university. Students may choose from the following prefixes, upon approval by appropriate faculty or advisor:

- American Studies (AMS)
- Communication Studies (COM)
- English (ENG)

- Ethnic Studies (ETH)
- History (HST)
- Humanities, Arts and Cultural Studies (HRC)
- Interdisciplinary Arts and Performance (IAP)
- Integrative Studies (IAS)
- Latin American Studies (LAS)
- Philosophy (PHI)
- Religious Studies (REL)
- Sociology (SOC)
- Spanish (SPA)

Women and Gender Studies (WST)

Recommended Courses:

COM 342 Oral History and Storytelling (3)
 ENG 317 Cross-Cultural Writing, L or HU, & G (3)
 ENG 361 Scriptwriting (3)
 ENG 376 Writing a Personal History, L (3)
 ENG 377 Editing Family History for Public Audiences, L (3)
 ENG 412 Creative Nonfiction (3)
 ENG 476 Studies in Folklore, L or HU or SB, & C (3)
 IAP 331 Performance, Acting and the Individual (3)
 IAP 364 Documentaries (3)
 SOC 389 Ethnographic Field Lab (3)
 WST 370 Chronicling Women's Lives, HU & C (3)
 WST 473 Indigenous and Latina/Chicana Representation, SB & C (3)

Enrollment Requirements:

The certificate in oral history is open to any student admitted to study at Arizona State University. The certificate program is also available for graduate students, nondegree students and students majoring in professional programs. Contact advisors in the Division of Humanities, Arts and Cultural Studies for admission to the certificate program.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
 School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/certificates/oral-history>
 FAB N201
harcs.dept@asu.edu
 602-543-4444

Philosophy, Rhetoric and Literature Certificate (ASPRLCERT)

Campus: WEST

Description:

The certificate in philosophy, rhetoric and literature, within the New College of Interdisciplinary Arts and Sciences, is an interdisciplinary program that works across the humanities by examining philosophical approaches to literary studies, disputes between rhetoric and philosophy, and rhetorical elements of literature and theory. This certificate is transdisciplinary and aimed at integrating Continental philosophy (including philosophy of religion), critical theory (both in its broader origins within literary cultural studies and its historically specific genealogy from the Frankfurt School), rhetoric, literary criticism, aesthetics and communication. This certificate will prepare students in the humanities, social and behavioral sciences, and the arts for advanced study and lifelong learning in a variety of fields and successful careers in an increasingly diverse society.

Program Requirements:

The program is open to any student admitted to study at Arizona State University. A certificate in philosophy, rhetoric and literature is awarded for successful completion of 18 upper-division credit hours of course work:

- one course (3 credit hours) in Core I: Rhetorical Perspectives
- one course (3 credit hours) in Core II: Continental Philosophy
- twelve elective credit hours from the approved course list in Philosophy, Rhetoric and Literature (6 credit hours from Pool A and 6 credit hours from Pool B)

All elective course offerings from the course bank will be regularly updated and overseen by the facilitators of the certificate program. Students must meet with the program academic advisor to review the requirements and sign the certificate check sheet. The student should also consult an academic advisor in the college or department of his or her major to make sure the college or department of the major recognizes the certificate. All

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course work in the program must be completed with a grade of C (2.00) or higher.

Of the 18 upper-division credit hours required for the certificate, 12 credit hours must be completed at ASU.

Core I Requirements

Rhetorical Perspectives (3 credit hours)

ENG 400 History of Literary Criticism, L/HU, H (3)

ENG 472 Rhetorical Studies, L (3)

Core II Requirements

Philosophical Perspectives (3 credit hours)

ENG 401 Topics in Critical Theory (3)

PHI 304 Existentialism, HU (3)

PHI 311 Philosophy and Literature, HU (3)

PHI 494 ST: Continental Philosophy (3)

Pool A (6 credit hours):

ENG 394/494 Special Topics (3)

ENG 400 History of Literary Criticism, (L or HU) & H (3)

ENG 401 Topics in Critical Theory (3)

ENG 440 Studies in American Literature and Culture, HU (3)

ENG 454 Gender and Literature, L or HU (3)

ENG 461 Studies in Women and Literature, HU (3)

ENG 472 Rhetorical Studies, L (3)

ENG 478 Studies in Modernism, L or HU (3)

ENG 479 Studies in Postmodernism, HU, G (3)

HON 394/494 Special Topics (3)

IAP 371 Verbal Art (3)

IAP 373 The Critical Artist (3)

IAP 471 Language, Culture and Performance, L or HU (3)

IAP 472 Theories of Arts and Performance (3)

IAP 473 Aesthetic Research, L or HU (3)

Pool B (6 credit hours):

COM 394/494 Special Topics (3)

COM 321 Rhetorical Theory and Research, (L or HU) & H (3)

COM 324 Rhetoric and Media Criticism (3)

COM 421 Rhetoric of Social Issues, HU (3)

COM 429 Semiotics and Visual Communications (3)

ENG 401 Topics in Critical Theory (3)

PHI 303/REL 300 The Future of Religions, L or HU (3)

PHI 304 Existentialism, HU (3)

PHI 311 Philosophy and Literature, HU (3)

PHI 318 Philosophy of Religion, HU (3)

PHI 336 Social and Political Philosophy, HU (3)

PHI 339 Philosophy of Art, HU (3)

PHI 390/REL 314 Jewish Philosophy (3)

PHI 391/REL 391 Historical Perspectives on Philosophy and Religion (3)

PHI 394/494 Special Topics (3)

PHI 494 ST: Continental Philosophy (3)

PHI 494/REL 494 ST: Philosophical and Spiritual Issues in Death and Dying (3)

PHI 494/REL 494 ST: Post-Holocaust and Reparative Ethics (3)

REL 345 Asian Religious Traditions, HU, G (3)

Enrollment Requirements:

The certificate in philosophy, rhetoric and literature is open to all undergraduate majors.

Students wishing to pursue the certificate should consult an academic advisor in the unit offering the certificate to ensure the appropriate set of courses is taken and required paperwork submitted.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/certificates/philosophy-rhetoric-literature>
FAB N201
newcollegePRL@asu.edu
602-543-4444

Political Entrepreneurship through Internships: Local to Global Certificate (LAPEICERT)

Campus: TEMPE

Description:

The certificate is designed to prepare students for careers in public policy in global and domestic environments whether they be in governance organizations, nongovernmental organizations, nonprofit agencies, or private enterprises engaged in policymaking, implementation and critical assessment. The requirements include applied practice in these settings and an internship. A variety of internship opportunities exist for students with global national, state or local interests. Course work in the social sciences, humanities and business will prepare students to be participants in policy processes as an avenue of civic engagement.

Program Requirements:

The requirements include applied practice in public policy settings and internship opportunities. Students majoring in any subject at the university may be awarded the certificate upon completion of the following 15 credits (twelve of which must be upper-division and nine of which must be taken from the College of Liberal Arts and Sciences):

Part One: Introductory course

select one of the following:

POS 110 Government and Politics (3)
POS 150 Comparative Government (3)
POS 160 Global Politics (3)
POS 310 American National Government (3)
SGS 101 Thinking Globally: The Individual and Authority (3)
SGS 301 Principles of Global Studies (3)

Part Two: Policy and Leadership

select one of the following:

POS 220 Current Issues in National Politics (3)
POS 325 Public Policy Development (3)
POS 351 Democratization (3)
POS 361 American Foreign Policy (3)
POS 364 National Security, Intelligence, and Terrorism (3)
POS 410 Governing American Cities (3)
POS 426 Elements of Public Policy (3)
POS 468 Comparative Asian Foreign Policies (3)
POS 486 International Political Economy (3)
SGS 320 Mechanisms of Governance (3)
SGS 321 International Institutions and Global Governance (3)
SGS 340 Violence, Conflict, and Human Rights (3)
SGS 350 Economic Development and Globalization (3)

Part Three: Internship

Students may use three or six credits of the following:

POS 484 Internship (I-12)
SGS 484 Internship (1-12)

Part Four: Related Elective

select one or two of the following depending on the number of credits taken in part three:

BUA 380 Small Business Leadership (3)
BUA 383 Small Business Working Relationships (3)
COM 222 Argumentation (3)
COM 225 Public Speaking (3)
COM 230 Small Group Communication (3)
COM 250 Introduction to Organizational Communication (3)
COM 259 Communication in Business and the Professions (3)

COM 312 Communication, Conflict, and Negotiation (3)
 ENG 301 Writing for the Professions (3)
 FTN 380 Personal Finance (3)
 JUS 320 Community and Social Justice (3)
 MGT 290 My Life Venture (3)
 MGT 380 Management and Strategy for Non-majors (3)
 NLM 160 Voluntary Action and Community Leadership (3)
 NLM 220 Introduction to Non-profit Organizations (3)
 NLM 410 Social Entrepreneurship (3)
 PAF 200 Public Service and Policy in the 21st Century (3)
 PAF 201 Economics and Public Policy (3)
 PAF 300 Public Management and Administration (3)
 PAF 311 Leadership and Change (3)
 PAF 340 Contemporary Policy Challenges (3)
 PAF 410 Building Leadership Skills (3)
 PAF 420 Public Leadership (3)
 PAF 460 Public Service Ethics (3)
 SGS 204 Professional Global Career Development (or equivalent career exploration course) (3)
 SOS 111 Sustainable Cities (3)
 SOS 321 Policy and Governance in Sustainable Systems (3)
 USL 210 Service Learning: Introduction to Diverse Community Issues (3)
 USL 410 Service Learning: Diverse Community Issues (3)

Students earning the certificate must have a minimum GPA of 2.00; only courses in which students have a grade of "C" (2.00) or higher count toward the certificate.

Enrollment Requirements:

Any student admitted to study at ASU may complete this certificate.

Contact Information:

Liberal Arts & Sciences, College of
 School of Politics and Global Studies
<http://pgs.clas.asu.edu>
 COOR 6702
 SPGS@asu.edu
 480-965-1331

Political Thought and Leadership Certificate (LAPTLCERT)

Campus: TEMPE

Description:

The certificate in political thought and leadership provides students with a strong foundation in the history of politics and political thought with a special emphasis on the role of leadership in that history. The certificate will prepare students for leadership in their own careers, political or otherwise. Required courses combine academic study and mentoring contact with political, media, and business leaders from the wider Phoenix area and Arizona communities, while electives drawn from a variety of disciplines are used to broaden the scope of emphasis.

Program Requirements:

This certificate requires 15 credit hours.

Required Courses:

HST 112 Foundations of Democracy (3)
 HST 414 Political Thought & Leadership (3)

Nine credit hours of upper-division electives from at least two different disciplines. Such courses may include, but are not limited to:

HST 315 Political History of the U.S., SB, H (3)
 HST 317 History of Postwar U.S. Conservatism (3)
 JUS 321 Wealth Distribution and Poverty, SB, C (3)
 JUS 332 Politics of Energy Policy and Justice (3)

PHI 336 Social and Political Philosophy, HU (3)
POS 341 History of Political Philosophy II, HU, H (3)
REL 420 Religion in American Life and Thought, HU (3)

Additional upper-division courses from disciplines such as economics, history, justice studies, philosophy, public service and public policy and religious studies may be used with approval. All courses must be taken in residence at Arizona State University.

Enrollment Requirements:

Students wishing to declare the certificate must meet with an academic advisor in the School of Historical, Philosophical and Religious Studies and one of the program's co-directors.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/undergrad/minors>
COOR 4575
SHPRSadvising@asu.edu
480-965-8364

Professional Sales Certificate (BAPRSCERT)

Campus: TEMPE

Description:

Designed for the nonmarketing major, the certificate in professional sales was created for business students who are interested in pursuing the many opportunities in professional sales. Including courses in professional sales as well as sales management, this certificate prepares students to be successful account managers or sales team leaders in both business-to-business and business-to-consumer settings. An optional internship in sales is strongly encouraged as part of the professional sales certificate.

Program Requirements:

Prerequisite course:

MKT 300 Marketing and Business Performance (3) or MKT 303 Honors Marketing Theory and Practice (3)

Required courses:

MKT 370 Professional Sales and Relationship Management (3)

MKT 410 Sales and Sales Management (3)

choose any two courses from the following set:

MKT 435 Entrepreneurial Marketing (3)

MKT 441 Sports Relationship Management (3) or MKT 460 Sports Revenue Generation (BS students only) (3)

MKT 484 Internship (in sales) (3)

MKT 493 Honors Thesis (3)

MGT 430 Negotiations (3)

To receive the certificate, students must complete the specified business courses with a grade of "C" or higher (2.00 on a scale of 4.00).

Contact Information:

Business, W. P. Carey School of
Department of Marketing
<http://wpcarey.asu.edu/undergraduate-degrees/professional-sales>
BAC 460
wpcareymkt@asu.edu
480-965-3621

Public Administration and Public Management Certificate (PPPAFCERT)

Campus: DTPHX

Description:

The certificate in public administration and public management prepares students for citizenship, leadership and careers in governmental and nonprofit agencies. Students will learn the context and principles of public administration and how to apply these in a practitioner setting; the role of the public administrator in the design, implementation and evaluation of public policy; and how to lead change and address ethical issues in public service. It is designed for undergraduate students who are interested in developing leadership skills or wish to enhance their degree in an existing major at ASU, working adults who may wish to further their education yet may not be looking for a degree program, or BIS students who seek to combine certificates with their degree.

The program is designed for students interested in public service who want to learn skills to:

- analyze critical issues
- build and bridge communities
- deliver and manage public programs
- improve the quality of life
- lead change in public policy
- provide public safety
- preserve natural resources
- reform welfare
- strengthen democratic governance

Program Requirements:

The certificate in public administration and public management consists of 15 credit hours of course work; students take 12 hours of core classes and three hours of elective courses. The three hours of elective course work may be selected from an approved list of elective classes, taken upon the recommendation of the department.

Core Courses:

PAF 300 Public Management and Administration (3)

PAF 340 Contemporary Policy Challenges (3)

PAF 420 Public Leadership (3)

PAF 460 Public Service Ethics (3)

Enrollment Requirements:

There are different application requirements, depending on the student's enrollment status with ASU. Students are also encouraged to schedule an appointment with the undergraduate academic advisor in the School of Public Affairs.

Undergraduate Students Currently Enrolled at ASU

Current students interested in earning the certificate must complete a request to add an undergraduate certificate and return it to the undergraduate academic advisor in the School of Public Affairs at the University Center on the Downtown Phoenix campus. Students may begin taking courses before they formally register for the certificate; however, they are encouraged to complete the paperwork as soon as possible. Download application from <https://students.asu.edu/forms/undergraduate-certificate> (<https://students.asu.edu/forms/undergraduate-certificate>).

Individuals Not Currently Enrolled at ASU

Individuals who are not currently enrolled as students at Arizona State University must complete an application to enroll as a nondegree-seeking student before they may begin taking courses. For information on admission and to complete an application, visit the university's nondegree student admission page at <https://students.asu.edu/admission/nondegree> (<https://students.asu.edu/admission/nondegree>).

Once students have been admitted, they are eligible to enroll in courses to complete the certificate program.

Contact Information:

Public Programs, College of
School of Public Affairs

<https://spa.asu.edu/programs/undergraduate/pmgt>

UCENT 400

spa@asu.edu

602-496-0450

Religion and Conflict Certificate (LARELCERT)

Campus: TEMPE

Description:

The certificate may be of particular interest for students pursuing careers in journalism, law, policy work, diplomacy, the military, public advocacy, publishing, education, ministry or other fields in which an enhanced understanding of religion and conflict is increasingly vital.

Program Requirements:

Students complete 18 credit hours of qualifying course work (at least 12 credit hours from ASU and at least 12 upper-division credit hours), consisting of regional, political and cultural components. To ensure that students are exposed to a wide variety of approaches to the study of religion and conflict, an interdisciplinary component requires that at least six of the 18 credit hours be fulfilled with courses from the humanities and at least three credit hours from the social sciences. In many cases, the same course can be used to fulfill several component requirements simultaneously.

- Regional component (six credit hours): Courses in this category provide students specific regional knowledge of how religion has been implicated in human conflict. Required course work in at least two different regions fosters a comparative understanding of the dynamics of religion and conflict in historical and global contexts.
- Political component (three credit hours): Courses in this category explore how religion influences, or is influenced by, matters of state, law, government or other dimensions of political life.
- Cultural component (three credit hours): Courses in this category provide students with an understanding of how religion operates as a powerful force that impacts and intersects with expressions of human identity, thought and culture.
- Electives (six credit hours): Any approved or qualifying course (either from the above categories or other approved classes) may be used as an elective to fulfill remaining requirements toward the total number of credit hours and to meet the interdisciplinary requirement.
- Of the total 18 credit hours taken to fulfill the certificate, at least three must be from the social sciences (SOC, POS, SGS or WST) and six from the humanities (ARB, HST, POR or REL).

Religion and Conflict Course Offerings

A minimum grade of "C" (2.00) is required for a course to fulfill a certificate requirement. For a current list of approved courses, see the Center for the Study of Religion and Conflict website at <http://csrc.asu.edu/education/certificate-program> (<http://csrc.asu.edu/education/certificate-program>).

Enrollment Requirements:

Any student admitted to study at ASU may complete a certificate. To apply to the university, please complete the Office of Admissions online application. Students wishing to pursue the certificate must complete enrollment documents located in the student portal on the Center for the Study of Religion and Conflict website before formally declaring the certificate with an academic advisor in the School of Historical, Philosophical and Religious Studies. For questions about the program, contact the certificate director in the Center for the Study of Religion and Conflict.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://csrc.asu.edu/education/certificate-program>
WHALL 130
csrc@asu.edu
480-965-7187

Russian and East European Studies Certificate (LAREECERT)

Campus: TEMPE

Description:

The certificate in Russian and East European studies encourages students to develop special competency in Russian or East European languages and area studies. Course work leading to the certificate is offered in agribusiness, architecture, biology, economics, Eurasian languages (Armenian, Tajik, Tatar, and Uzbek), geography, history, international business, music, political science, religious studies, Slavic and East European languages (Albanian, Bosnian/Croatian/Serbian, Macedonian, Polish, Romanian, and Russian) and sociology and women's studies, but the certificate program is open to all students, regardless of major.

Certificate holders enhance their prospects for study abroad fellowships, graduate admissions and also qualify for unique entry-level government employment opportunities. Past certificate awardees have moved into positions of leadership in government, academia and the private sector.

Program Requirements:

The requirements for the Russian and East European studies certificate comprise 22 credit hours of Russian or another Eurasian or East European language and 30 credit hours in Russian, East European and Eurasian area-related course work, of which at least 24 credit hours are upper-division.

At least three disciplines must be represented in the area-related course work, and at least 12 credit hours must be outside the School of
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International Letters and Cultures (i.e., non-RUS, SLC, and SLV courses). Fulfillment of these requirements is certified by the Melikian Center for Russian, Eurasian and East European Studies and is recognized on the transcript as a certificate in Russian and East European studies. The purpose of this undergraduate certificate program is to encourage students majoring in a chosen discipline to develop special competency in Russian, Eurasian or East European languages and area studies. A student with a major in any school or department may pursue this certificate.

Enrollment Requirements:

Any student admitted to study at ASU may pursue a certificate program. In order to apply to study at ASU, complete the Office of Admission online application. Please contact the Melikian Center for more information.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://melikian.asu.edu/>
COOR 4448
melikiancenter@asu.edu
480-965-4188

Sales and Marketing Essentials Certificate (BASMECERT)

Campus: TEMPE

Description:

Designed for undergraduate nonbusiness majors, the certificate in sales and marketing essentials offers a set of courses that cover essential marketing knowledge in a wide variety of marketing application domains. While students are required to enroll in two fundamental courses in marketing for three credits each (MKT 390 Essentials of Marketing and MKT 391 Essentials of Selling), students can then choose three other courses from a larger set (services marketing, business marketing, global marketing, sports business and advertising) to tailor their certificate to their particular interests. While some courses are offered in a face-to-face setting, the entire certificate is offered online for flexibility and convenience.

Program Requirements:

The certificate in sales and marketing essentials requires 15 credit hours to complete and is available to undergraduate nonbusiness majors or nondegree-seeking students at ASU. The entire certificate may be taken online.

Required:

MKT 390 Essentials of Marketing (3)

MKT 391 Essentials of Selling (3)

choose any three of the following set:

MKT 392 Essentials of Business Marketing (3)

MKT 395 Essentials of Advertising and Marketing Communication (3)

MKT 396 Essentials of Services Marketing (3)

MKT 397 Essentials of Global Marketing (3)

MKT 398 Essentials of Sports Business (3)

To receive the certificate, students must complete the specified business courses with a grade of "C" (2.00 on a scale of 4.00) or higher.

Enrollment Requirements: Students need to complete an application, which is available online or in BA 160. Please contact the department for more information and see <https://my.wpcarey.asu.edu/undergrad/academics/sales-and-mkt-certificate.cfm> (<https://my.wpcarey.asu.edu/undergrad/academics/sales-and-mkt-certificate.cfm>).

Contact Information:

Business, W. P. Carey School of
Department of Marketing
<https://my.wpcarey.asu.edu/undergrad/academics/sales-and-mkt-certificate.cfm>
BA 160
wpcareyug@asu.edu
480-965-4227

Secondary Education Certificate (TESEDCERT)

Campus: POLY, TEMPE, WEST

Description:

The secondary education certificate program prepares students who wish to teach students enrolled in grades seven to 12. While students develop a strong content background, the secondary education certification focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students. In order to integrate teacher preparation with the academic specialization, Teachers College maintains connections with academic departments across the university. Clinical experience and student teaching are required components of this certificate. Students who complete this certificate program will be issued an Institutional Recommendation for certification in Arizona. Students desiring to teach in a public school must also pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Program Requirements:

Students are required to complete a minimum of one semester of field experience which includes one full day per week in a grade 7-12 classroom. A full-time 15-week student teaching experience is also required. Degree requirements for student's major must be completed prior to student teaching.

Enrollment Requirements:

Available only to ASU degree-seeking students. Students will need a 2.5 GPA to enroll in course work, a valid Arizona DPS fingerprint clearance card, a passing score in the content area exam, appropriate content area course work and Teachers College advisor approval. This certificate is not available to Mary Lou Fulton Teachers College students.

Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
<http://education.asu.edu/>
ED 120
educationadvising@asu.edu
480-965-5555

Security Studies Certificate (PPSCSCERT)

Campus: DTPHX

Description:

The security studies certificate will provide students with the skills and credentials necessary to expand their employment opportunities in corporate and public security. Students will receive extended education in cross-disciplinary topics such as accounting, computer studies, and advanced crime and law courses. Upon completion of this certificate, students will be well-equipped to have fluid conversations with professionals from different backgrounds.

Program Requirements:

The following courses are required (12):

ACC 382 Accounting and Financial Analysis (3)
CIS 105 Computer Applications and Information Technology, CS (3)
CRJ 201 Criminal Justice Crime Control Policies and Practices (3)
CRJ 419 Domestic Terrorism (3)

Select two from the following (6):

CRJ 410 Procedural Criminal Law (3)
CRJ 412 International Terrorism (3)
CRJ 413 Forensics (3)
CRJ 450 Crime Analysis (3)
CRJ 463 White Collar Crime (3)
CRJ 464 Organized Crime (3)

Select one from the following (3):

CIS 235 Introduction to Information Systems (3)
CPI 101 Introduction to Informatics, CS (3)

CSE 100 Principles of Programming with C++, CS (3)
CSE 110 Principles of Programming with Java, CS (3)
CSE 180 Computer Literacy, CS (3)

Select one from the following (3):

CRJ 484 Internship (3)
LES 305 Legal, Ethical, and Regulatory Issues in Business (3)
LAW 480 Business, Law, and Society (3)

Enrollment Requirements:

There are no additional admission requirements other than those required for admission to ASU.

Contact Information:

Public Programs, College of
School of Criminology and Criminal Justice
<http://ccj.asu.edu>
UCENT 600
SCCJ@asu.edu
602-496-2356

Small Business and Entrepreneurship Certificate (BASMBCERT)

Campus: TEMPE

Description:

Students learn how to launch their own business or work with small or startup operations. Courses include small business, entrepreneurship and business plan development. Classroom work is complemented by frequent interaction with successful founders and leaders of entrepreneurial ventures.

Program Requirements:

This certificate in small business and entrepreneurship is available only to business majors at ASU. The certificate requires 15 credit hours of courses, including the following six credit hours:

MGT 440 Entrepreneurship (3)
MGT 445 Business Plan Development (3)

The remaining nine credit hours consist of three additional upper-division courses relevant to small business. A copy of the approved electives for business majors pursuing the certificate in small business and entrepreneurship is available in the undergraduate programs office, BA 160. To receive the certificate, students must complete the specified business courses with a grade of "C" (2.00 on a scale of 4.00) or higher.

Enrollment Requirements:

Students need to complete an application, which is available online or in BA 160. Please contact the department for more information and also see <https://my.wpcarey.asu.edu/undergrad/academics/small-business-certificate.cfm> (<https://my.wpcarey.asu.edu/undergrad/academics/small-business-certificate.cfm>), then click on the embedded link "course requirements for the Small Business and Entrepreneurship Certificate."

Contact Information:

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
<https://my.wpcarey.asu.edu/undergrad/academics/small-business-certificate.cfm>
BA 160
wpcareyug@asu.edu
480-965-4227

Social Transformation Certificate (LASOTCERT)

Campus: TEMPE

Description:

Students enrolled in the certificate learn how diverse communities, locally and globally, have achieved social change and consider how to apply what they have learned with an eye towards finding just solutions to the social problems facing communities today. The areas of focus include, but

are not limited to:

- civil rights movements
- democracy movements
- gender equality
- gender justice
- labor movements

Program Requirements:

Certificate Requirements

Students pursuing the certificate must complete 15 hours of course work, at least 12 hours of which must be from ASU.

A minimum grade of "C" (2.00) is required for a course to count toward the certificate. The same course may be used to satisfy multiple graduation requirements.

There are no language requirements.

Required Certificate Courses

There will be two required courses:

- a lower division course: SST 220 Introduction to Social Transformation (3)
- an upper-division capstone internship or independent study: SST 484 Internship (3) or SST 499 Individualized Instruction (3)

Certificate Elective Courses

In addition to the two required courses, certificate students must take three upper-division courses, or nine credit hours, related to social transformation and transformational knowledge. These courses may be chosen from the following course list. Additional related courses can be applied to the certificate with advisor approval.

AFR 325/JUS 326 Music as Political Discourse: Reggae, Calypso and Hip Hop, HU, H, G (3)

AFR 355 Democracy and Civil Society in Africa (3)

AFR 365/WST 364 Unruly Voices: Black Women and Cultural Narratives, C, HU (3)

AFR 415 Black Political Thought and the Limits of Liberal Democracy, SB, G, H (3)

AFR 420 Race, Ethnicity and Politics in the African Diaspora, SB, G (3)

AFR 470/WST 471 Women's International Human Rights (3)

AIS 394 Innovation for American Indian Sustainability (3)

APA 350 Inequality and Diversity in Education, C (3)

APA/AFR 352 Race, Space and the Production of Inequality (3)

APA 394 Social Movements and Intercultural Coalitions (3)

COM 312 Communication, Conflict and Negotiation (3)

COM 341 Social Contexts for Performance (3)

ENG 333 American Ethnic Literature, L or HU, C (3)

ENG 367 Environmental Issues in Literature and Film, L or HU (3)

ENG 371 Rhetoric of the Environmental Movement (3)

HST 306 Studies in United States History, HU or SB, H (3)

HST 354 Revolutionary Europe, SB, H (3)

HST 498 Pro-Seminar: Segregation and Desegregation in U.S. History and Law, L (3)

JUS 320 Community and Social Justice, SB, C (3)

JUS 321 Wealth Distribution and Poverty, SB, C (3)

JUS 350 Immigration and Justice, SB, C (3)

JUS 375 Justice and Mass Media, SB (3)

JUS 394 Black Political Movements (3)

JUS 394 Cyberpolitics (3)

JUS 394 Prison Social Movement (3)

JUS 430 Social Protest, Conflict and Change, L or SB, C (3)

JUS 444 Environment and Justice, L, C (3)

JUS 460 Feminism and Justice, C (3)

JUS 474 Legislation of Morality, L or SB, C (3)

JUS 497 Honors Colloquium: Social Enterprise: Innovation and Justice (3)

MHL 494 Music and Movement in Urban Culture (3)

MHL 494 Urban Movement Practices (3)

NLM 410 Social Entrepreneurship (3)

REL 379 Religion, Nationalism and Ethnic Conflict, HU, G (3)

REL 482 Religion, Violence and Conflict Resolution (3)
REL 494 Inquiry into Religion and Conflict (3)
SOC 352 Social Change, SB, G, H (3)
TCL 340 Chicana/o and Latina/o Politics and Policy, L, C (3)
TCL 341 Policy Issues in Chicana/o and Latina/o Urban Settings, C (3)
THP 482 Theatre for Social Change, C (3)
URB 405 Citizen Engagement and Community Building (3)
WST 375 Women and Social Change, SB, C (3)
WST 377 History of American Feminist Thought, H, C (3)
WST 378 Global Feminist Thought, L, C, G (3)
WST 380 Race, Gender and Class, SB, C (3)
WST 394 Women, Power and Leadership (3)

Enrollment Requirements:

Students who have attained junior standing (56 credit hours) in any undergraduate degree program in any field at ASU are eligible for admission to the certificate in human rights. There are no formal admission procedures to begin certificate course work, but students should contact the certificate in human rights program director or an advisor as soon as they decide to begin pursuing the certificate.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://sst.clas.asu.edu/undergrad/why-study-school-social-transformation>
WILSN 125
SST@asu.edu
480-965-7682

Socially Engaged Practice in Design and the Arts Certificate (HISEPCERT)

Campus: TEMPE

Description:

Socially engaged practice in design and the arts is an evolving area of the arts and design that uses community participation, reciprocal organizational relationships and collaboration in public contexts to promote civic dialogue and investigate pressing issues of our time. This certificate program provides rigorous training and field experience in arts and design in civic and applied settings.

Program Requirements:

The certificate in socially engaged practice in design and the arts requires 18 credit hours; 12 hours of upper-division is required.

Required Courses:

HDA 210 Creativity and Innovation in Design and the Arts (3)
HDA 310 Socially Engaged Practice (3)
HDA 410 Seminar in Socially Engaged Practice (3)

Electives (6)

one upper-division and one upper- or lower-division elective*

Fieldwork (3)

*Electives are to be selected from the master list of courses flagged as socially engaged practice shown on the Herberger Institute website, http://herbergerinstitute.asu.edu/institute/initiatives/socially_engaged_certificate/ugrad_courses.php

(http://herbergerinstitute.asu.edu/institute/initiatives/socially_engaged_certificate/ugrad_courses.php)

Students will complete a fieldwork assignment through an internship (HDA 484, or a 484 course in a specific Herberger Institute arts or design discipline) or an individualized study (a 499 course in a Herberger Institute arts or design discipline) or other capstone course approved by petition through the Herberger Institute Office of Student Success.

Enrollment Requirements:

A minimum GPA of 3.00 is required to complete the certificate. The certificate is administered through the Office of Student Success in the Herberger Institute and is open to all undergraduate students admitted to ASU or nondegree undergraduate students wishing to complete the certificate only.

Students enrolled in the BA in the arts in the Herberger Institute must complete three additional hours of course work unique to the certificate

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program that does not also count towards their major (due to the overlapping requirements of HDA 210 and HDA 310).

Contact Information:

Design & the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
http://herbergerinstitute.asu.edu/institute/initiatives/socially_engaged_certificate/
CDS 101
herbergeradvising@asu.edu
480-965-4495

Socio-Legal Studies Certificate (LASLSTCERT)

Campus: TEMPE

Description:

The distinction between law "on the books" and law "in action," which refers to how people experience law in their everyday lives, is a cornerstone of the certificate program. The undergraduate certificate in socio-legal studies offers a model for educating and training students in the study of legal ideas, institutions and practices from the perspectives of the social sciences, law and the humanities.

Program Requirements:

Students must complete 18 hours of qualifying course work from ASU. A minimum grade of "C" (2.00) is required for a course to count toward the certificate.

Required Certificate Core Courses:

Ethics, Morality, and Theories of Justice (select one):

HON 494 Great Traditions of Jurisprudence (3)
JUS 303 Justice Theory (3)
PHI 307 Philosophy of Law, HU (3)
PHI 336 Social and Political Philosophy, HU (3)
PHI 408 Feminist Ethics, HU (3)

Legal Institutions and Structures (select one):

JUS 308 Courts and Society (3)
JUS 360/CRJ 350 Law and Social Control, SB (3)
JUS 410 Punishment: Logic and Approach (3)
JUS 463/CRJ 470 Discretionary Justice, SB (3)
JUS 465 Death Penalty in the United States, L (3)
JUS 479 Law and Disputing, L or SB (3)
POS 315 The Supreme Court, SB (3)
POS 465 International Organization and Law, SB, G (3)
POS 471 Constitutional Law I, SB (3)
POS 472 Constitutional Law II, SB (3)

Interdisciplinary Component (9)

To provide students an opportunity to focus on specific issues and social problems while also providing a broad interdisciplinary framework, students will select three electives. These courses must be taken from at least two different academic units from a set of approved courses, providing flexibility so that they may pursue an individualized course of study. Additional courses beyond those listed here may be added with approval of the certificate director.

AFR 215 Bob Marley and Reggae: Lyrics of Resistance, HU, G (3)
AFR 301/JUS 300 Race and Racism in Africa/African Diaspora, SB, G (3)
AFR 304/JUS 304 Islands of Globalization: Caribbean Politics and Political Economy, SB, G, H (3)
AFR 414/JUS 414 Black Political Movements: Pan Africanism to Black Power, SB, G, H (3)
AFR 420/JUS 421 Race, Ethnicity and Politics in African Diaspora, SB, G (3)
AFR/APA/JUS/SST 428 Critical Race Theory (3)
ASB 445 Globalization, Development and Resistance, SB, G (3)
CRJ 305 Gender, Crime and Criminal Justice, C (3)
CRJ 306 Race, Ethnicity, Crime and Criminal Justice, C (3)
HON 310 Justice and Law (3)
HON 410 Philosophy, Politics, and Law (3)
HST 306 Studies in United States History: Race and the Law, HU or SB, H (3)
JUS 329/CRJ 461 Domestic Violence (3)

JUS 350 Immigration and Justice, SB, G (3)
 JUS 374 The Holocaust, Genocide and Human Rights (3)
 JUS 422/WST 422 Women, Law, and Social Control (3)
 JUS 425 Race, Gender and Justice (3)
 JUS 430 Social Protest, Conflict and Change, L or SB, C (3)
 JUS 432 Racial Justice, L (3)
 JUS 450 Alternatives to Incarceration, L (3)
 JUS 467 Terrorism, War and Justice, SB (3)
 JUS 469 Political Deviance and the Law, L or SB, C (3)
 JUS 470 Alternative Dispute Resolution, L or SB, C (3)
 JUS 474 Legislation of Morality, L or SB, C (3)
 POS 370 Law and Society, SB (3)
 POS 470 Law and the Political Order, SB (3)
 PSY 468 Psychology and Law (3)
 SOC 340 The Sociology of Deviance, SB (3)
 SOC 445 Globalization, Development and Resistance, SB, G (3)
 SOC 446 Sociology of Crime, SB (3)
 TCL 335/HST 323/AFR 335 Historical Studies in Race, Crime, and the Law (3)
 TCL 340 Chicana/o and Latina/o Politics and Policy, L, C (3)
 WST 345 Gender, Religion and Global Violence, SB, G (3)
 WST 375 Women and Social Change, SB, C (3)

Experiential Learning (3)

A central element of this certificate program will be the linkage of learning and doing; connecting theoretical and substantive learning about socio-legal studies with practical knowledge in order to provide policy makers and practitioners with insights of academic socio-legal research and also to bring practical experience back to academic discussions. Students will connect classroom learning with practical experience through either a for-credit internship (with a relevant organization in U.S. or abroad) or a Research Experience with Undergraduates (REU) under faculty supervision (honors thesis may substitute). A written component will be required for both the internship and the REU.

Enrollment Requirements:

Students who have attained junior standing (56 credit hours) in any undergraduate degree program at ASU are eligible for admission to the certificate in socio-legal studies. There are no formal admissions procedures, but students should contact the certificate in socio-legal studies program director or advisor as soon as they decide to pursue the certificate.

Contact Information:

Liberal Arts & Sciences, College of
 School of Social Transformation
<http://sst.clas.asu.edu/undergrad/why-study-school-social-transformation>
 WILSN 125
 SST@asu.edu
 480-965-7682

Southeast Asian Studies Certificate (LASALCERT)

Campus: TEMPE

Description:

The certificate in Southeast Asian studies can supplement a bachelor's, demonstrating knowledge of a Southeast Asian language and knowledge of Southeast Asian history, art, culture and society.

This certificate prepares students for admission to graduate programs in Southeast Asian area studies, or in an academic discipline with a focus on Southeast Asia, or for advanced programs in international law, journalism, business or other professional fields.

Recent graduates have gone on to enter medical school and MBA and doctoral programs. An earned certificate will appear on student transcripts as a Southeast Asian studies emphasis.

Program Requirements:

The certificate requires a simultaneous two-year sequence in a Southeast Asian language (Indonesian, Thai or Vietnamese) and 18 credit hours, of which a minimum of 12 credit hours must be upper-division, including the three courses listed below plus two electives (selected from an approved list) and a three-credit capstone project.

Required courses:

ASB 240 Introduction to Southeast Asia, HU or SB, G (3) (also offered as GCU 240, HST 240, POS 240, REL 240 and SGS 240)

ASB 325 Peoples of Southeast Asia, G (3)

HST 391 Modern Southeast Asia, SB, G, H (3)

Suggested electives include but are not limited to:

POS 358 Southeast Asia, SB and G (3)

GCU 433 Geography of Southeast Asia (3)

HST 456 Vietnam War, SB and G and H (3)

REL 357 Theravada Buddhism In South and Southeast Asia, L and G (3)

Capstone:

HST 496 South, Southeast, and East Asia in the Global Matrix (3)*

*Only offered in the spring.

Enrollment Requirements:

A certificate in Southeast Asian studies is available to any undergraduate student. There are no specific admission requirements other than a student's desire to learn about Southeast Asia. A minimum grade of "C" (2.00) is required for each course that is used to fulfill the certificate requirements. Please contact the School of Historical, Philosophical and Religious Studies advising center for more information.

Contact Information:

Liberal Arts & Sciences, College of

Dean, College of Liberal Arts and Sciences

<http://car.clas.asu.edu/>

COOR 3307

SHPRSadvising@asu.edu

480-965-8364

Spanish for the Professions Certificate (LSSPPRFCER)

Campus: DTPHX

Description:

The series of courses in this 18-credit-hour certificate will help students hone Spanish communication skills and cultural knowledge to serve the needs of the U.S.-Latino community in professional settings (i.e., education, social work, health care, criminology, journalism). This certificate is open to ASU students and to the community at large. The combination of professionally focused courses and practical experience in this certificate will enhance students' professional preparation for employment in positions that require advanced proficiency in Spanish and an in-depth understanding of U.S.-Latino culture.

Program Requirements:

Prerequisite: SPA 314/316 or permission of instructor.

Required Courses (12 credits)

SPA 394/317 Introduction to Spanish for the Professions (3)

SPA 404 Spanish in U. S. Professional Communities, C (3)

SPA 405 Latino Cultural Perspectives for the Professions, C (3)

SPA 484 Internship (3)*

Elective Course Options (six credits chosen from the following list)

SPA 403 Spanish Grammar and Stylistics for the Professions (3)

SPA 300- or 400-level Spanish courses focused on the professions (e.g., health care, business, medical/legal interpretation, journalism, social work, education, legal and justice studies, sustainability, engineering and urban planning) (3)

All courses for this certificate will require a minimum grade of "C" (2.00) or better to receive credit toward fulfilling certificate requirements.

*Prerequisite: A minimum of 12 credit hours completed in this certificate and permission of the instructor.

Enrollment Requirements:

For additional admission and registration requirements, please visit the school's website.

Contact Information:

Letters & Sciences, School of

School of Letters and Sciences

<https://sls.asu.edu/>
UCENT 300
sls@asu.edu
602-496-4000

Special Events Management Certificate (HSRTMUERT)

Campus: DTPHX

Description:

The special events management certificate is a career enhancement program offered to nondegree-seeking students or those who already have a degree from an accredited university in any major or to students currently pursuing a bachelor's in any major.

Program Requirements:

The certificate requires 18 credit hours: 15 credit hours of required core courses and three credits of electives. Courses taken as part of a university major may count toward that degree and the certificate. To earn the certificate, students must complete all course work in the certificate with a minimum grade of "C" or better. An application to the program is required.

Required Core Courses:

PRM 486 Special Events Management (3) (must take this first as prerequisite for PRM 422)

PRM 422 Entertainment, Protocol and Programming for Special Events (3)

PRM 423 Special Event On-Site Operations (3)

PRM 427 Revenue Generation for Special Events Management (3)

PRM 488 Event Marketing and Promotion (3) (iCourse, offered summers only)

Elective courses (select one course from the following):

NLM 220 Introduction to Nonprofit Organizations (3)

NLM 310 Volunteer Management (3)

PRM 470 Environmental Communication (3)

PRM 475 Entrepreneurial Recreation and Tourism (3)

PRM 487 Advanced Special Events Management (3)

CRD 301 Sustainable Communities (3)

TDM 205 Introduction to Travel and Tourism, G (3)

TDM 350 Tourism Marketing (3)

TDM 345 Meeting and Convention Planning (3)

TDM 448 Heritage and Cultural Tourism (3)

Standards:

- 18 hours of graded classroom course work (no internship, no independent study)
- minimum "C" (2.00) grade required for all classes in the certificate
- minimum GPA of 2.00 for those pursuing the certificate
- should be a junior to take 400-level courses

Enrollment Requirements:

Students wishing to pursue the special events management certificate should consult with an academic advisor in the School of Community Resources and Development. For additional information, please visit the official website.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 500
scrd@asu.edu
602-496-0550

Speech-Language Pathology Assistant Certificate (LASLPACERT)

Campus: TEMPE

Description:

The speech-language pathology assistant certificate prepares students to work with individuals with communication disorders under the direction of a speech language pathologist. Students majoring in speech and hearing science or persons already holding a bachelor's in speech and hearing science receive additional course work and clinical training to be eligible for the speech-language pathology assistant licensure and for positions working under the direction of an speech-language pathologist in schools, clinics and rehabilitation agencies that provide speech and language

services.

Program Requirements:

The speech-language pathology assistant certificate includes 15 credit hours of course work and clinical internships completed in conjunction with the bachelor's in speech and hearing science. The student must take:

SHS 402 Clinical Methods and Treatment of Communication Disorders (3)

SHS 473 Implementation of Treatment Plans for Individuals with Communication Disorders (3)

SHS 483 Professional Issues and Ethical Considerations for the SLPA (3)

two internships (6 credits) of clinical practice (SHS 484)

12 of the 15 credit hours for the speech-language pathology assistant certificate must be completed at ASU. A minimum grade of "B-" is required for a course to count toward the certificate.

Enrollment Requirements:

Students who have completed 15 credit hours in speech and hearing science course work with at least a 2.75 grade point average in those courses are eligible to apply. Applications will also be accepted from students who have completed a bachelor's in speech and hearing science or communication disorders from a program accredited by the American Speech-Language-Hearing Association, providing their grade point average in the major was at least 2.75. Please contact the Department of Speech and Hearing Science for more information.

Contact Information:

Health Solutions, College of

Department of Speech and Hearing Science

<http://shs.asu.edu/slpa>

COOR 2211

shsinfo@asu.edu

480-965-2374

Sports Business Certificate (BASPBCERT)

Campus: TEMPE

Description:

The certificate in sports business is an innovative curriculum designed for BS undergraduate students in the W. P. Carey School of Business who are interested in deepening their knowledge in the sports business domain. Particular attention is given to providing a foundation in marketing and sales as it is applied to the sports business discipline. The certificate prepares students for success by complementing course work from a degree program with specialized business knowledge in the sports business area of interest.

Program Requirements:

The certificate in sports business is available to BS undergraduate business majors in the W. P. Carey School of Business. The certificate requires 15 credit hours of classes.

Required:

MKT 430 Sports Business (3) Choose at least two of the following three courses:

MKT 460 Sports Revenue Generation (3)

MKT 465 Projects in Sports Business (3)

MKT 484 Internship or MKT 493 Honors Thesis (3) Choose up to two of the following courses:

MKT 370 Professional Sales and Relationship Management (3)

MKT 410 Sales and Sales Management (3)

MKT 435 Entrepreneurial Marketing (3)

MKT 442 Services Marketing Strategy (3)

MKT 484 Internship OR

MKT 493 Honors Thesis (3)

Enrollment Requirements:

Prerequisites: This program is available to W. P. Carey bachelor of science students with a 2.50 ASU cumulative GPA and 56 earned hours.

Students must have completed MKT 300, MKT 302, or MKT 303 with a grade of C or better.

Students complete the certificate application, which is available online or in BA 160. Please contact the Department of Marketing for more information and also see <https://my.wpcarey.asu.edu/undergrad/academics/sports-business-certificate.cfm> (<https://my.wpcarey.asu.edu/undergrad/academics/sports-business-certificate.cfm>).

Contact Information:

Business, W. P. Carey School of
Department of Marketing
<https://my.wpcarey.asu.edu/undergrad/academics/sports-business-certificate.cfm>
BA 160
wpcareyug@asu.edu
480-965-4227

Symbolic Systems Certificate (LAPHICERT)

Campus: TEMPE

Description:

The symbolic systems certificate takes an interdisciplinary approach to the symbolic representation and processing of information. Course work covers three areas:

- computing and logic
- human cognition and theories of mind
- philosophy of language and linguistics

Certificate course work exposes students to the subject matter from conceptual, empirical and practical points of view. The certificate may interest students who wish to add breadth to their degree through work in a variety of majors, including:

- computer science
- linguistics
- mathematics
- philosophy
- psychology

The certificate takes an interdisciplinary approach to cognition, computation and meaning. Course work is focused around three thematic areas in order to expose students to the subject matter from a conceptual, empirical and practical point of view:

- cognitive systems
- linguistic systems
- symbolic systems

Although some suggested courses have prerequisites, the breadth of disciplinary course options make it likely that many students will find they have already completed necessary prerequisites in the course of completing their chosen major or minor.

Program Requirements:

The certificate in symbolic systems consists of 18 credit hours approved by an academic advisor in the School of Historical, Philosophical and Religious Studies. Students must complete at least one computer science and engineering CSE prefix course and at least one philosophy course, preferably PHI 333 Symbolic Logic (3). Fifteen credit hours are chosen from the following, with at least one course required from each area:

- cognitive systems
- linguistic systems
- symbolic systems

Since some of the approved courses in each area have special prerequisites, students should plan their certificate course work carefully. With written approval from the director of undergraduate studies, one substitution of a course from outside the approved list may be made. At least 12 of the 18 credit hours must be upper-division and all courses must be passed with a minimum grade of "C" (2.00).

Enrollment Requirements:

Any student admitted to study at ASU may complete a certificate. To apply to the university, please complete the Office of Admissions online application. Please contact the School of Historical, Philosophical and Religious Studies advising center for more information.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/undergrad/certificate/symbolic-systems>
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

Teaching English to Speakers of Other Languages (TESOL) Certificate (LATESLCERT)

Campus: TEMPE

Description:

The Teaching English to Speakers of Other Languages undergraduate certificate consists of a coherent set of courses that are related to teaching English to speakers of other languages. This certificate is designed for students who are interested in teaching English as a foreign language. It will also be a good preparation for students who want to later pursue graduate studies in the Master's of Teaching English as a Second Language program at ASU or in a similar program at another institution. Note that this certificate does not certify students to teach in Arizona public schools (K-12).

Program Requirements:

Any student admitted to ASU can elect to pursue the certificate program. To complete the certificate, students must complete 18 credit hours with a minimum grade of "C." Twelve of these credits will come from upper-division undergraduate classes and six of those credits must be from courses offered by the College of Liberal Arts and Sciences.

Required classes:

ENG 213 Introduction to the Study of language (3)

ENG 404 Studies in Second Language Acquisition (3)

ENG 404 Studies in Second Language Acquisition (3)

ENG 484 Internship (3)

Electives (6):

one ENG 404 course with a different topic

one course such as ENG 214, ENG 312, ENG 313, ENG 314, ENG 413

or others approved by the advisor

Enrollment Requirements:

For more information about the TESOL certificate, contact an advisor in the Department of English.

Contact Information:

Liberal Arts & Sciences, College of

Department of English

<http://english.clas.asu.edu/uprograms>

LL 542

englishadvising@asu.edu

480-965-3168

Technical Communication Certificate (LSTECCERT)

Campus: POLY

Description:

Through the technical communication program, students learn how to produce, design and manage information using traditional and developing technologies.

Program Requirements:

The undergraduate certificate requires 18 hours.

Required Courses:

TWC 301 General Principles of Multimedia Writing, L (3)

TWC 401 Principles of Technical Communication, L (3)

Choose one of the following courses:

TWC 411 Principles of Visual Communication, L (3)

TWC 421 Principles of Writing with Technology, L (3)

TWC 431 Principles of Technical Editing, L (3) Electives (9):

Choose three other 400-level TWC courses, of which at least two must be genre or information courses, such as TWC 443 Proposal Writing (3) or

TWC 452 Information in the Digital Age (3).

Enrollment Requirements:

The certificate is available to all admitted undergraduate students (regular or nondegree) at ASU. Once students have been admitted, they are eligible to enroll in courses to complete the certificate program. Applications are accepted throughout the year.

Please contact the school for more information.

For U.S. Department of Education Gainful Employment Program Disclosure information, see <https://catalog.asu.edu/files/disclosures/LSTECCERT/Gedt.html> (<https://catalog.asu.edu/files/disclosures/LSTECCERT/Gedt.html>).

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<https://sls.asu.edu/>
WANER 101
sls@asu.edu
480-727-1526

Technology Entrepreneurship Certificate (ESTNECERT)

Campus: TEMPE

Description:

Engineers and scientists around the globe launch high-tech companies to move their ideas to the market. Studies show that the majority of innovative products and services in the economy evolve from entrepreneurial ventures. By providing knowledge and skills important to the creation and leadership of such startups, the certificate program in technology entrepreneurship aims to train the founders and leaders of tomorrow's high-tech ventures. The certificate program is designed specifically for engineers. Courses are approached from the perspective of the student whose primary interest is in technological innovation, whose primary concentration is engineering and who has little or no prior business education.

Program Requirements:

This 15-credit-hour certificate program is limited to students in the Ira A. Fulton Schools of Engineering and is designed to help technically oriented students analyze, launch and operate an entrepreneurial venture. The certificate program in technology entrepreneurship requires that students enroll in and complete five courses. Admission to the cohort portion of the certificate program can only occur after successful completion of the introduction course, FSE 301 Entrepreneurship for Engineers (prerequisite: junior standing in a bachelor's program in the Ira A. Fulton School of Engineering). Once admitted to the certificate program, students must also successfully complete the remaining certificate courses:

FSE 400 Creating and Launching a Technology Venture (3)

FSE 401 Intellectual Property for Technology Ventures (3)

FSE 402 Operating a Technology Venture (3)

FSE 403 Entrepreneurship Practicum (3)

Enrollment Requirements:

The qualifications for admission to the certificate in technology entrepreneurship program are having junior standing in a bachelor's program in the Ira A. Fulton Schools of Engineering and successful completion of the selection interview process.

The selection interview process consists of two parts: a letter of intent written by the student to the selection committee and a live interview with the selection committee, which consists of at least one faculty member, one entrepreneurship program advisory board member and one member of the regular engineering faculty.

Each selection interview is conducted according to a fixed format, with each certificate program candidate having the opportunity to respond to the same set of questions. Please contact the department for more information.

Contact Information:

Engineering, Ira A. Fulton Schools of
Dean, Ira A. Fulton Schools of Engineering
<http://engineering.asu.edu/>
BYENG 697BA
engineering@asu.edu
480-965-1726

Translation Certificate (LASPACERT)

Campus: TEMPE

Description:

The translation certificate program, which focuses on Spanish and English, is designed to provide:

- advanced training required for professional translation in both public and private sectors

- preparation for the rigorous examinations required by national and international agencies
- training as an ancillary skill for professional fields, such as international business, public health, medicine and law, in accordance with guidelines recommended by the American Translators Association

Program Requirements:

The certificate program consists of the following requirements:

Prerequisites:

SLC 400 Linguistics, SB (3) or SPA 400 Introduction to Spanish Linguistics (3) or equivalent

SPA 412 Advanced Conversation and Composition, G (3)

Required:

SLC 401 Translation Theory and Practice (3)

SLC 484 Internship: Translation Certificate (2)

Also required are nine hours of applied translation electives in specialized areas chosen from the following courses:

SLC 481 Technical and Scientific Translation (3)

SLC 482 Business and Financial Translation (3)

SLC 483 Medical and Legal Translation (3)

Enrollment Requirements:

Since entry into the field of professional translation is gained through work, cultural experience and examination, the entrance requirements to this certificate program include:

- a written proficiency examination in both the source and receptor languages at the level of completion of an advanced composition course in Spanish (SPA 412) and English (ENG 301)
- extensive work experience using Spanish and English or demonstrated bilingual writing competence in English and Spanish

Please contact the school for more information.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<https://international.clas.asu.edu/undergrad/minors-certificates>

LL 440

silcadvising@asu.edu

480-965-6281

Women and Gender Studies Certificate (ASWSTCERT)

Campus: WEST

Description:

The certificate in women and gender studies, within the New College of Interdisciplinary Arts and Sciences, is an interdisciplinary program emphasizing intersectional approaches to the study of gender, race, class, ethnicity and sexuality in national and transnational contexts.

Program Requirements:

The women and gender studies certificate consists of 18 credit hours of course work, of which 12 credit hours must be upper-division (300 or 400 level).

Core Requirements (12 credit hours):

WST 100 Women, Gender and Society, SB, C (3) or WST 300 Women and Gender in Contemporary Society, SB, C (3)

WST 276 Wave on Wave: Survey of U.S. Women's Movements, H (3)

HRC 310 Social and Cultural Studies: Method and Theory (3)

HRC 480 Capstone: Practices and Approaches (3)

WST elective course work (6 credit hours)

Enrollment Requirements:

The women and gender studies certificate is recommended for graduate students, nondegree students and students majoring in professional programs.

Students wishing to pursue the certificate should consult an academic advisor in the unit offering that certificate to ensure the appropriate set of courses is taken and required paperwork submitted.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/certificates/women-studies>
FAB N201
harcs.dept@asu.edu
602-543-4444

Women and Gender Studies Certificate (LAWSTCERT)

Campus: TEMPE

Description:

Women and gender studies, in the School of Social Transformation provides students with an intensive interdisciplinary liberal arts education that enables them to write well, think critically and analyze problems effectively. The certificate program is equivalent to an interdisciplinary minor.

Program Requirements:

The women and gender studies certificate consists of 18 credit hours, 12 of which must be upper-division. Students take one of the following courses (3 credit hours):

WST 100 Women, Gender and Society, SB, C (3) or WST 300 Women and Gender in Contemporary Society, SB, C (3)

Students choose one from the following courses (3 credit hours):

WST 377 History of American Feminist Thought, H, C (3)

WST 378 Global Feminist Theory, L, C, G (3)

Twelve additional credit hours of women and gender studies electives must be taken and can be selected from any WST-prefix course.

A minimum "C" grade or higher is required.

Enrollment Requirements:

Students admitted to study at Arizona State University are eligible to pursue the requirements of a certificate. In order to be admitted to the university, complete the Office of Admission online application. Please contact the unit for additional information.

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://sst.clas.asu.edu/women-and-gender-studies>
WILSN 205
SST@asu.edu
480-965-2358

Writing (Liberal Arts and Sciences) Certificate (LAENGCERT)

Campus: TEMPE

Description:

The writing certificate provides advanced writing instruction for students in any major. Students pursuing the writing certificate gain practical skill in effective communication and enhance their ability to create, structure and present information in a variety of professional settings.

Program Requirements:

The writing certificate consists of 19 credit hours. Required courses are as follows:

ENG 216 Persuasive Writing on Public Issues, L (3) OR

ENG 412 Creative Nonfiction (3)

ENG 301 Writing for the Professions, L (3)

ENG 372 Document Production, L (3)

ENG 472 Rhetorical Studies, L (3)

ENG 484 Internship: Writing Certificate Internship (3)

ENG 498 Pro-Seminar: Writing Certificate Portfolio (1)

Also required is an additional writing course in English (three credits) or a writing or design course (three credits) selected from an approved list of courses from across campus. All students are required to submit a portfolio before receiving the certificate.

Enrollment Requirements:

Application to the program requires a minimum GPA of 3.00 in ENG 101 and ENG 102, ENG 105, or ENG 107 and ENG 108. Students must also have completed at least 30 hours of course work and must have a minimum cumulative GPA of 3.00. A minimum of six upper division hours must be courses offered by the Department of English in the College of Liberal Arts and Sciences. Please contact the department for more information.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu/writingcertificate>
LL 542
englishadvising@asu.edu
480-965-3168

Writing (New College) Certificate (ASWRTCERT)

Campus: WEST

Description:

Comprised of a minimum of 19 credit hours, the writing certificate combines intensive course work (of which at least 12 credit hours must be upper-division) and an exit portfolio. Students will choose one of five track options:

- creative writing
- generalist
- nonfiction writing
- professional and technical writing
- publishing and editing

Exit portfolio: Students will assemble a portfolio of writing that demonstrates their grasp of the skills presented during their course of studies.

Program Requirements:

To gain admission to the program, students must demonstrate fundamental writing skills through the completion of English composition. Students are required to submit an application, which includes at least three samples of writing from lower-division courses or independent writing projects. Applications must be submitted at least two months before the start of the semester they anticipate being admitted.

Please refer to the writing certificate checklist on the program website for certificate requirements.

Enrollment Requirements:

The School of Humanities, Arts and Cultural Studies offers this program to students enrolled in any unit of any college at ASU. Certification of advanced writing skills opens the way to a vast array of opportunities, from journalism and publishing to public advocacy, military and government careers, elementary and secondary education, business management, economic development, the law and high-tech industry. Ability to communicate clearly and directly is a key to career advancement in all aspects of business, government and community service.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Humanities, Arts, and Cultural Studies
<http://newcollege.asu.edu/harcs/degrees/certificates/writing>
FAB N201
harcs.dept@asu.edu
602-543-4444

Undergraduate Programs

Undergraduate Degrees (Program Descriptions)

Business, W. P. Carey School of

Accountancy, BS (BAACCBS)

Campus: TEMPE, WEST

Program Description:

The School of Accountancy's undergraduate program offers two tracks during the senior year. The accounting track is followed by most students and is designed to provide a rich educational experience. The accounting master's internship is the track designed for our most highly qualified students who wish to commit to the MAcc program or the MTax program during the second semester of the junior year. The internship provides a particularly rich and individualized educational experience during the senior year. It includes a number of distinct advantages for students:

- a full-time paid internship for credit
- early consideration for scholarships and graduate assistantships
- waiver of the GMAT requirement for admission to the MAcc or MTax program

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Accountancy (MACC)

Taxation (MTax)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshmen admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a Business BA program in W. P. Carey School of Business.

Readmission requirements: must meet Freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 SAT score OR 25 ACT score OR the student must have graduated in the top eight percent of high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory Social and Behavioral Sciences in the School of Letters and

Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

The major in accountancy includes the essential academic preparation for students who are:

- planning to pursue a graduate degree or attend law school
- pursuing professional careers in public, corporate and governmental accounting
- seeking positions in consulting, or planning to operate a business
- seeking positions in personal financial planning and portfolio analysis

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook (2010-2011) states, "Employment of accountants and auditors is expected to grow by 22 percent between 2008 and 2018, which is much faster than the average for all occupations. Job opportunities should be favorable; accountants and auditors who have a professional certification, especially CPAs, should have the best prospects."

Contact Information:

Business, W. P. Carey School of

School of Accountancy

<http://wpcarey.asu.edu/undergraduate-degrees/accounting>

BA 223Q

wpcareyacc@asu.edu

480-965-3631

Agribusiness (Global Agribusiness), BS (AGAGBGABS)

Campus: POLY

Program Description:

The agribusiness industry is increasingly competitive, sophisticated and global, driving demand for innovative leaders who understand the industry's unique challenges and practices. The programs offered through the highly respected Morrison School of Agribusiness and Resource Management prepares graduates for success in graduate school or a wide range of careers.

The BS in agribusiness teaches students the business of agricultural production, finance, marketing and distribution. Through a technology-rich curriculum that focuses on real-world projects, students explore global agribusiness issues such as international trade, food safety and sustainability.

The concentration in global agribusiness is an applied, industry-oriented curriculum. This concentration is specifically designed to meet the needs of the students interested in studying the business aspects of agriculture in the domestic and global economy. Students learn to analyze and manage issues involved in food manufacturing, input and output supply activities, commodity trading and food distribution.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman and transfer students must submit either an SAT Reasoning test score or an ACT test score by the end of the first semester in the program (we do not require the writing portion of these tests). There is no minimum score requirement.

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must meet Freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory Social and Behavioral Sciences in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Accounting for more than 50 percent of the global economy and employing 25 percent of Americans, agribusiness brings food from the farm to the global table. Possible career paths include

- finance and technical positions with private agribusiness firms and governmental agencies
- management
- marketing
- veterinary medicine

Contact Information:

Business, W. P. Carey School of
Morrison School of Agribusiness
<http://wpcarey.asu.edu/undergraduate/>
SANCA 330L
wpcareyug@asu.edu
480-727-1567

Business, BA (BABUSBA)

Campus: POLY, TEMPE, WEST

Program Description:

The BA in business provides an innovative, interdisciplinary approach to learning, which broadens career options upon graduation. Not only will students acquire a strong grounding in the principles of business, they will also immerse themselves in course work outside the business school, supplementing the business degree.

Students in this program will learn how to apply core business knowledge in one of the following disciplines:

- agribusiness (global agribusiness)
- communication
- food industry management
- global leadership
- global politics
- human resources
- legal studies
- public service and public policy
- sports and media studies
- statistics

- sustainability
- technology
- tourism management
- urban policy

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Career Opportunities:

Students in this bachelor's program will graduate from one of 14 concentrations in the W. P. Carey School of Business. See those concentrations for career opportunities.

Contact Information:

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<http://wpcarey.asu.edu/undergraduate-degrees>

BA 160

wpcareyug@asu.edu

480-965-4227

Business (Communication), BA (BABUSCBA)

Campus: CALHC, ONLNE, POLY, TEMPE, WEST

Program Description:

The BA in business with a concentration in communication is an innovative, interdisciplinary program intended to prepare students for positions in a variety of professions in which business and communication play an important role in ensuring success. Graduates of this program will have specific knowledge of business practices and the capacity to effectively communicate complex business information. Students in this program will complete rigorous courses within the communication concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Business communication has exploded as a distinct professional field as companies require rapid and considered responses, from conveying ordinary information to crisis communications. Historically, these positions have been staffed with people trained in communication, English, journalism or other fields but lack specific business knowledge. Graduates of this program will be qualified to enter these positions with knowledge that will be immediately useful to potential employers, while advancing their careers.

Contact Information:

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<http://wpcarey.asu.edu/undergraduate-degrees>

BA 160

wpcareyug@asu.edu

480-965-4227

Business (Food Industry Management), BA (BABUSFIMBA)

Campus: ONLINE, POLY

Program Description:

The food industry management program is unique and has been developed in close coordination with partners in the food industry to help ensure graduates have the knowledge and skills needed to become immediate leaders in the industry. Students will combine core courses in other business disciplines (finance, marketing, management, accounting, supply chain management and economics) with upper-division courses specific to the food industry.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus
Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Career Opportunities:

The BA in business with a concentration in food industry management prepares students for business careers in the food industry, which is defined as the group of firms and organizations involved with manufacturing, marketing and distributing food beyond the farm to retail stores, restaurants and institutions such as schools and hospitals. The industry is becoming increasingly competitive, sophisticated and global and shows a growing demand for professional management. There are one in six people employed in the food industry nationwide, with 100,000 in Arizona.

Contact Information:

Business, W. P. Carey School of
Morrison School of Agribusiness
<http://wpcarey.asu.edu>
SANCA 330L
wpcareyug@asu.edu
480-727-1567

Business (Global Agribusiness), BA (BABUSGAGBA)

Campus: POLY

Program Description:

The agribusiness industry is increasingly competitive, sophisticated and global, driving demand for innovative leaders who understand the industry's unique challenges and practices. The concentration in global agribusiness teaches students the business of agricultural production, finance, marketing and distribution. Through a technology-rich curriculum that focuses on real-world projects, students explore global agribusiness issues such as international trade, food safety and sustainability. The concentration is an applied, industry-oriented curriculum. It is specifically designed to meet the needs of students interested in studying the business aspects of agriculture in the domestic and global economy. Students learn to analyze and manage issues involved in food manufacturing, input and output supply activities, commodity trading and food distribution.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Career Opportunities:

Accounting for more than 50 percent of the global economy and employing 25 percent of Americans, agribusiness brings food from the farm to the global table. Possible career paths include:

- management
- marketing
- finance
- technical positions with private agribusiness firms and governmental agencies

Contact Information:

Business, W. P. Carey School of

Morrison School of Agribusiness

<http://wpcarey.asu.edu/>

SANCA 330

wpcareyug@asu.edu

480-727-5183

Business (Global Leadership), BA (BABUSGBA)

Campus: ONLNE, WEST

Program Description:

The BA in business with a concentration in global leadership prepares students for careers in the global business environment by developing strong business skills along with global studies courses from a variety of regions around the world. Students study international management and leadership and have the opportunity to select a track in Latin American studies or from other parts of the world. Students may also choose to participate in an international study experience in a variety of countries around the globe.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

A degree that incorporates solid business skills and global studies will help prepare students for employment in our global business world. Opportunities exist for qualified students to work either domestically or internationally in an international organization. This degree program augments business and leadership skills necessary in most corporations.

Contact Information:

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<http://wpcarey.asu.edu/undergraduate-degrees>

FAB N101

wpcadmissions@asu.edu

602-543-6200

Business (Global Logistics Management), BA (BABUSGLBA)

Campus: ONLINE, WEST

Program Description:

An efficient logistics management system is critical to the success of global corporations, making sure the supply of goods and services flowing through the system closely matches the demand. Logistics management professionals manage, coordinate and transport products from raw materials to the finished goods sitting on your local store shelf (or online retailer). Efficient logistics is a key reason consumers can buy an ever-increasing variety of goods and services at remarkably low prices. Not surprisingly, logistics also plays a major role in the health care industry where efficient, effective delivery systems are gaining significant traction.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Logistics management focuses on integration and partnerships necessary to meet customer needs on a timely basis, with relevant and high-quality products produced and delivered in a service-effective manner. This program will train students to be strategic thinkers, excellent analysts, effective communicators and team leaders who are focused on efficiency, effectiveness and increasing revenue. Logistics management professionals hold a range of job titles and engage in a wide variety of activities in the private, nonprofit and governmental sectors. The current CEOs of Apple and Walmart previously held logistics-related positions at those organizations. This demonstrates the high value of leaders who understand the importance logistics adds to enterprise success.

Contact Information:

Business, W. P. Carey School of
Department of Supply Chain Management
<http://wpcarey.asu.edu/undergraduate-degrees>
FAB N106
wpcareyug@asu.edu
480-965-6044

Business (Global Politics), BA (BABUSGPBA)

Campus: TEMPE

Program Description:

The BA in business with a concentration in global politics incorporates solid business skills and global understanding in order to prepare students to realize and analyze the relationship between business and social science. Students in this program will complete the rigorous courses within the global politics concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Students completing the global politics concentration will think critically about global problems and integrate inquiry and action in order to become responsible leaders. These students will be prepared to successfully launch careers in many fields including:

- campaign and issue management
- information analysis
- public relations

Contact Information:

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<http://wpcarey.asu.edu/undergraduate-degrees>

BA 160

wpcareyug@asu.edu

480-965-4227

Business (Human Resources), BA (BABUSHRBA)

Campus: POLY

Program Description:

The W. P. Carey School of Business BA in business with a concentration in human resources incorporates solid business and human resource skills. The program involves both theoretical and applied concepts with a focus on practical and applied aspects of human resources. This degree is applicable to any business or governmental organization as all have a need to manage their personnel services.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Arizona Western College (<http://transfer.asu.edu/az-western>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities:

The bachelor's in business with a concentration in human resources has been designed to provide students with a comprehensive skill set that allows them to move into any business, industry or governmental organization and have the knowledge, skills and abilities to perform necessary human resource tasks. The program involves both theoretical and applied concepts of human resource functions whether performed in-house or outsourced.

Contact Information:

Business, W. P. Carey School of

Department of Management

<http://wpcarey.asu.edu/undergraduate-degrees/human-resources>

SANCA 330L

wpcareyug@asu.edu

480-727-1567

Business (Law), BA (BABUSLBA)

Campus: TEMPE

Program Description:

The BA in business with a concentration in law is an innovative, interdisciplinary program intended to prepare students for positions in a variety of professions in which business and law play an important role in ensuring success. Coupled with a strong business background, the law concentration will give students a systematic framework for analyzing real-world legal regulation and corresponding business risks and liabilities. Students in this program will complete rigorous courses within the law concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory Social and Behavioral Sciences in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

The law concentration is designed to expose students who will pursue careers in the business world to aspects of law and legal issues relevant to their career goals. Graduates of this program will be prepared to use their skills in a variety of industries ranging from new business ventures to corporate or agency compliance.

Contact Information:

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<http://wpcarey.asu.edu/undergraduate-degrees>

BA 160

wpcareyug@asu.edu

480-965-4227

Business (Public Service and Public Policy), BA (BABUSPBA)

Campus: TEMPE

Program Description:

The BA in business with a concentration in public service and public policy prepares students for work in public, nonprofit and private sectors, through comprehensive coverage of topics in public policy and public administration. Students will become familiar with leading a public organization and the process of policy development. Students will examine the public sector through multiple lenses and address its challenges in a practical way. Graduates are prepared for professional careers in public service.

The program also offers preparation for students who wish to pursue graduate degrees in:

- law
- nonprofit administration or other public service
- policy-oriented areas
- public administration
- public policy

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)
Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Arizona Western College (<http://transfer.asu.edu/az-western>)
Coconino Community College (<http://transfer.asu.edu/coconino>)
Pima Community College (<http://transfer.asu.edu/pima>)
Yavapai College (<http://transfer.asu.edu/yavapai>)
Central Arizona College (<http://transfer.asu.edu/central-az>)
Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)
Mohave Community College (<http://transfer.asu.edu/mohave>)

Career Opportunities:

There is an increase in job opportunities in the public sector for graduates due to retiring workers and an increasing demand for public services. The Partnership for Public Service estimates the federal government will hire nearly 273,000 new employees by 2012 for mission-critical positions.

Contact Information:

Business, W. P. Carey School of
Dean, W.P. Carey School of Business
<http://wpcarey.asu.edu/undergraduate-degrees>
BA 160
wpcareyug@asu.edu
480-965-4227

Business (Sports and Media Studies), BA (BABUSMSBA)

Campus: POLY

Program Description:

The W. P. Carey BA in business with a concentration in sports and media studies is attractive to a number of students with an interest in the sports industry. This concentration has been planned to provide students the necessary skills to build knowledge and understanding of the development of the strategic business process in sports organizations and its relationship to media. The proliferation of mass communication, including television, game systems and social networks, has transformed sports into a highly commercialized industry and sports, in turn, continue to generate revenues for these businesses. The interaction between sports and media has led to a multitude of applications of business knowledge to these fields. The sports and media studies program will offer a strong focus on applied elements of the sports industry, especially as it relates to media and its impact on the industry.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Arizona Western College (<http://transfer.asu.edu/az-western>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities:

A degree that incorporates solid business skills and sports and media studies will attract a number of students to Arizona State University. Career opportunities for students could include jobs with titles such as:

- administrative service manager
- advertising and sponsorship sales
- agent
- business manager
- event planner
- management analyst
- operations specialist
- purchasing or buying manager
- wholesale and manufacturing representative

Students in this concentration will find opportunities in mass communication, including television, game systems and social networks. The interaction between sports and media has led to a multitude of applications of business knowledge to these fields.

Contact Information:

Business, W. P. Carey School of

Department of Marketing

<http://wpcarey.asu.edu/undergraduate-degrees/sports-and-media>

SANCA 330L

wpcareyug@asu.edu

480-727-1567

Business (Statistics), BA (BABUSTABA)

Campus: WEST

Program Description:

The BA in business with a concentration in statistics is designed for students interested in a degree with solid business skills and an emphasis in mathematics and statistics. Students will be prepared to move into business or governmental positions using statistics to help make decisions and solve problems. The program involves theoretical and applied statistics with a focus on practical and applied aspects of statistics.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Career Opportunities:

Students with a business degree with a concentration in statistics may move into business or governmental positions. Students will find positions such as:

- financial analysts
- market and survey researchers
- personal financial advisors
- statisticians

Contact Information:

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<http://wpcarey.asu.edu/undergraduate-degrees>

FAB N101

wpcareyadmissions@asu.edu

602-543-6200

Business (Sustainability), BA (BABUSSBA)

Campus: ONLNE, TEMPE, WEST

Program Description:

The BA in business with a concentration in sustainability is an innovative, interdisciplinary program intended to prepare students for positions in a variety of professions in which business and sustainability play an important role in ensuring success. Finding ways to grow and prosper while reducing the stress on the global environment is a critical issue facing today's society. Combining the latest trends in business with cutting-edge knowledge of sustainability prepares graduates to excel in career areas that will dramatically increase in demand. Students in this program will complete rigorous courses within the sustainability concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Interest in sustainability issues is growing and, most likely, will be increasingly important to business in the next few years. People around the world are asking serious questions about how they can understand, evaluate and act on issues related to sustainability while making sensible business decisions for both the short and long run. Qualified individuals are needed, those who understand the societal, scientific and business aspects of the issues. Graduates from this degree program will fill these needs.

Contact Information:

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<http://wpcarey.asu.edu/undergraduate-degrees>

BA 160

wpcareyug@asu.edu

480-965-4227

Business (Technology), BA (BABUSTCBA)

Campus: POLY

Program Description:

The BA in business with a concentration in technology incorporates solid business skills as well as a strong skill set in technology. This program is designed to help students realize and analyze the relationship between business and technology.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus OR MAT 270 Calculus w/Analytic Geometry I MAT 211 Mathematics for Business Analysis OR MAT 271 Calculus with Analytic Geometry II

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Students completing a bachelor's in business with a concentration in technology will bring a solid background in business to technology companies and also the technological skills necessary to apply their skills in a variety of industries.

Contact Information:

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<http://wpcarey.asu.edu/undergraduate-degrees/technology>

SANCA 330L

wpcareyug@asu.edu

480-727-1567

Business (Tourism), BA (BABUSTBA)

Campus: TEMPE

Program Description:

The BA in business with a concentration in tourism is an innovative, interdisciplinary program intended to prepare students for positions in a variety of professions in which business and tourism play an important role in ensuring success. Developing tourism and recreation opportunities requires an understanding of effective marketing techniques and the ability to interact with many different types of businesses that support those efforts. A solid academic preparation in business helps prepare students for success in the tourism industry and affiliated professions. Students in this program will complete rigorous courses within the tourism concentration in addition to the skill and core courses required of all W. P. Carey School of Business majors.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Tourism management and development combines marketing and economic development with emphasis on managerial understanding to promote smooth operations. The combination of skills acquired from exposure to both business and tourism courses will make graduates more marketable and productive in their careers.

Contact Information:

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<http://wpcarey.asu.edu/undergraduate-degrees>

BA 160

wpcareyug@asu.edu

480-965-4227

Business (Urban Policy), BA (BABUSUBA)

Campus: TEMPE

Program Description:

The BA in business with a concentration in urban policy is an innovative, interdisciplinary program intended to prepare students for positions in a variety of professions in which business and urban policy play an important role in ensuring success. Economic development and urban planning are inextricably linked. The urban policy concentration prepares students to address many of the challenges of rapid urban growth. Students in this program will complete rigorous courses that focus on the complexity and range of issues affecting the quality of urban planning and development in addition to the skill and core courses required of all W. P. Carey School of Business majors.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in the Exploratory Social and Behavioral Sciences program in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Historically, urban planners have had little business background, but function in a system where business success is a key ingredient in high-quality, dynamic urban policy. Graduates with a bachelor's in business with an urban policy concentration will be equipped to deal with the wide range of economic and business development issues.

Contact Information:

Business, W. P. Carey School of

Dean, W.P. Carey School of Business

<http://wpcarey.asu.edu/undergraduate-degrees>

BA 160

wpcareyug@asu.edu

480-965-4227

Business Data Analytics, BS (BABDABS)

Campus: TEMPE

Program Description:

The BS in the business data analytics program prepares business graduates with the requisite knowledge, skills and experience to create and manage big data infrastructure and the associated business processes to facilitate large-scale business data analytics in organizations. The program cultivates organizational and technical competencies to implement data gathering, cleansing, integration and modeling tasks as well as data asset analysis for business applications. Graduates will serve as architects, change agents and analytics tool suite operators for business and government. The program covers data warehousing, dimensional modeling, big-data analytics methods, visualization tools and techniques, and it introduces topics such as data mining and predictive analytics.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of the high school class OR have an overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a Business BA program in W. P. Carey School of Business.

Readmission requirements: must meet Freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 SAT score OR 25 ACT score OR the student must have graduated in the top eight percent of the high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with less than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory Social and Behavioral Sciences in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The demand for employees with business analytics skills are strong, with close to 89 percent of employers indicating that their needs for skilled new recruits in business data analytics will increase in the future. Students can become data analysts, data architects, data visualization developers, data change agents and data operators.

Contact Information:

Business, W. P. Carey School of

Department of Information Systems

<http://wpcarey.asu.edu/undergraduate-degrees/computer-information-systems>

BA 301P

wpcareyis@asu.edu

480-965-3252

Business Entrepreneurship, BS (BABUENTBS)

Campus: TEMPE

Program Description:

The BS degree prepares students to identify, evaluate and develop entrepreneurial opportunities in existing companies or through new ventures. Students earning the degree may choose to start a new venture, work for a startup or a small business, or work as an innovator within an existing organization. The degree has an emphasis on collaboration, leadership, communication and team building, as well as development in refined analytical, managerial and leadership skills appropriate for people who want to change the world through innovation.

Students in the degree will frequently collaborate with students from across the university. The program gives students a breadth of understanding in all business disciplines and a depth of understanding in opportunity recognition, feasibility, management of resources and strategy. Students completing the program will have an understanding of the unique requirements of an entrepreneur and will learn how to operate effectively to identify market opportunities, innovative solutions and execution strategies.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshmen admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a Business BA program in W. P. Carey School of Business.

Readmission requirements: must meet Freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 SAT score OR 25 ACT score OR the student must have graduated in the top eight percent of high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory Social and Behavioral Sciences in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities:

Students may follow multiple self-directed paths such as starting a new venture or nonprofit organization, working for a new venture or a small business, or working as an innovative leader within an existing organization.

Contact Information:

Business, W. P. Carey School of

Department of Management

<http://wpcarey.asu.edu/undergraduate-degrees/entrepreneurship>

BA 323

wpcareymgt@asu.edu

480-965-3431

Business Exploratory, (BABUSEXP)

Campus: TEMPE

Program Description:

Virtually every profession and organization uses business in some way. Business exploratory students have an opportunity to explore a variety of areas in business prior to selecting one of our nine majors:

- accountancy
- business data analytics
- business entrepreneurship
- computer information system
- economics
- finance
- management
- marketing
- supply chain management

Students have an opportunity to work with world-class faculty in an environment that values high quality teaching. Our majors provide students with the skills and knowledge needed in today's companies - whether they are starting their own businesses or working in large multinational corporations. Additionally, many graduates attend some of the best graduate schools in the country in a variety of disciplines.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

This major has higher admission standards. To be admitted, freshmen need a 1160 SAT Reasoning score OR 25 ACT score, OR they must be among the top eight percent of their graduating high school class OR have an overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Transfer students (with 30 or more semester hours of credit after high school) must have a 3.00 GPA or higher, AND an SAT Reasoning score of 1160 OR a ACT score of 25 OR graduated in the top eight percent of their high school class.

Career Opportunities:

Students in business exploratory will graduate from one of nine degrees in the W. P. Carey School of Business. See those degrees for career opportunities.

Contact Information:

Business, W. P. Carey School of

Prebusiness Office

<http://wpcarey.asu.edu>

BA 160

wpcareyug@asu.edu

480-965-4227

Computer Information Systems, BS (BACISBS)

Campus: TEMPE

Program Description:

Computer information systems is part of every business and organization. This degree teaches students about the exciting and innovative ways that information technology is used to help organizations succeed. Our dedicated faculty members teach students how to design, build and maintain information systems that support business operations and managerial decision-making. In particular, students will learn about:

- business intelligence for competitive advantage
- business process for workflow redesign
- data management for decision-making

- distributed systems for collaboration and globalization
- enterprise integration for synergy
- project management
- solution development for value creation

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshmen admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a Business BA program in W. P. Carey School of Business.

Readmission requirements: must meet Freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 SAT score OR 25 ACT score OR the student must have graduated in the top eight percent of high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with less than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory Social and Behavioral Sciences in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Currently there is a shortage of information systems professionals and many more jobs than graduates. With a degree in computer information systems, career choices are limitless. A computer information systems degree offers job opportunities in a variety of industries, including:

- education
- entertainment
- finance
- health care
- national defense
- transportation

Information systems are a key component in the success of other functional business areas such as accounting, supply chain, finance and marketing. Entry-level information systems positions include:

- computer forensics analyst
- database administrator

- systems analyst
- information systems consultant
- information technology security manager
- network administrator
- project manager
- software or systems developer
- systems administrator

Long-term career aspirations for a student with a computer information systems degree include:

- chief executive officer
- chief information officer
- chief knowledge officer
- chief security officer
- chief technology officer

Contact Information:

Business, W. P. Carey School of
 Department of Information Systems
<http://wpcarey.asu.edu/undergraduate-degrees/computer-information-systems>
 BA 301P
wpcareyis@asu.edu
 480-965-3252

Economics, BS (BAECNBS)

Campus: TEMPE

Program Description:

The program requires a strong core of economic theory, supplemented by mathematics and data analysis. Students in our BS program choose from a variety of electives within the department as well as from within the W. P. Carey School of Business and the university. All students are encouraged to develop programs of study tailored to individual needs and interests. The undergraduate program provides students with the critical thinking and communication skills needed to succeed in business or graduate school. The department's mission is to provide the highest quality instruction to students, conduct cutting-edge research in economics and provide leadership and service to professional communities.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Concurrent Degrees:

This degree is also offered as concurrent degree with Engineering Management, BSE

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshmen admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of high school class, OR an overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a Business BA program in W. P. Carey School of Business.

Readmission requirements: must meet Freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 SAT score OR 25 ACT score OR the student must have graduated in the top eight percent of high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with less than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory Social and Behavioral Sciences in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Concurrent degree admission requirements: Engineering Management, BSE and Economics, BS:

- minimum 1250 SAT combined math and verbal (650 minimum on SAT math) or minimum 29 ACT combined score (29 minimum on ACT math), and
- 3.00 minimum ABOR GPA

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

A major in economics provides students with the analytical and quantitative skills needed to prepare them for careers in business, government or public policy. The program of study can also be tailored to prepare students for graduate programs in economics, business or law. Students interested in pursuing a PhD in economics are strongly encouraged to minor or major in mathematics as well.

Graduates have taken positions such as:

- consultants who serve as advisers to state and federal governments, as well as private corporations
- corporate economists who collect data and make forecasts relevant to the firm's business
- employment in banking and financial services firms

Each year, many graduates pursue studies at other prestigious universities.

Contact Information:

Business, W. P. Carey School of

Department of Economics

<http://wpcarey.asu.edu/undergraduate-degrees/economics>

CPCOM 412

wpcareyecn@asu.edu

480-965-3531

Finance, BS (BAFINBS)

Campus: TEMPE

Program Description:

The finance department has a rich tradition of educating leaders that excel in all aspects of the discipline of finance. Whether ascending to the top ranks of the venture capital industry, executing multimillion-dollar real estate deals or becoming successful entrepreneurs with ideas and drive that are all their own, our graduates are equipped to succeed.

In particular, our Investment Banking Industry Scholars program mentors students interested in going to Wall Street. Our student investment management fund provides undergraduates the opportunity to manage a real-world investment portfolio worth hundreds of thousands of dollars.

The faculty is considered among the top finance departments in the world. Our professional advisory board, comprised of leading professionals from the financial services, manufacturing, energy, investment banking and real estate sectors, provides a sounding board for new ideas and a

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source of jobs for our top graduates.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of the high school class OR have an overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a Business BA program in W. P. Carey School of Business.

Readmission requirements: must meet Freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 SAT score OR 25 ACT score OR the student must have graduated in the top eight percent of the high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with less than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory Social and Behavioral Sciences in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Students majoring in finance are prepared for careers in:

- consulting
- corporate financial management
- depository institutions
- financial services
- investment banking
- investment management
- portfolio analysis

Contact Information:

Business, W. P. Carey School of
Department of Finance
<http://wpcarey.asu.edu/undergraduate-degrees/finance>
BAC 519
wpcareyfin@asu.edu
480-965-3131

Food Industry Management, BS (BAFIMBS)

Campus: POLY

Program Description:

This food industry management program is unique and has been developed in close coordination with partners in the food industry to help ensure graduates have the knowledge and skills needed to become immediate leaders in the industry. Students will combine core courses in business disciplines (finance, marketing, management, accounting, supply chain management and economics) with courses specific to the food industry.

Students will select from courses in:

- environmental management and sustainability
- food industry sales and management
- food marketing strategy
- food supply networks
- food retailing
- futures and options markets
- innovation and food product development
- insurance
- pricing and promotion strategy in food markets
- retail information analysis
- risk management

Each of these courses addresses a different issue in which fundamental concepts, theoretical approaches, analytical methods and industry practice are unique to the food industry.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman and transfer students must submit either an SAT Reasoning test score or an ACT test score by the end of the first semester in the program (we do not require the writing portion of these tests). There is no minimum score requirement.

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Readmission requirements: must meet Freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer applicants must have a 3.00 GPA for all transfer work and meet university transfer admission requirements. Transfer students should select an additional major, which must be outside W. P. Carey School of Business, when applying for admission.

Students with fewer than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory Social and Behavioral Sciences in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate

major.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The BS in food industry management prepares students for business careers in the food industry, which is defined as the group of firms and organizations involved with manufacturing, marketing and distributing food beyond the farm to retail stores, restaurants and institutions such as schools and hospitals. Employing one in six people nationwide, there is a growing demand for professional management in an industry that is becoming increasingly competitive, sophisticated and global.

Potential careers for graduates include, but are not limited to:

Contact Information:

Business, W. P. Carey School of
Morrison School of Agribusiness
<http://wpcarey.asu.edu/undergraduate/>
SANCA 330L
wpcareyug@asu.edu
480-727-1567

Management, BS (BAMGTBS)

Campus: POLY, TEMPE, WEST

Program Description:

The BS in management prepares students to become effective managers and team leaders by providing theoretical and conceptual knowledge and building critical skills such as:

- analytical research and problem solving
- communication
- critical thinking
- global applications
- leadership
- personal ethics and integrity
- teamwork

The curriculum includes the fundamentals of the global economy, the world of e-business, ethics, human resource and strategic management, and collaborative team skills. Throughout the program, theories and concepts of management and ethical leadership are enhanced by experiencing and testing these concepts in skill-based exercises, case discussions and team-based project work, including community-based team projects in nonprofit and for-profit business settings.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of the high school class OR an have overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's business BA
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programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a Business BA program in W. P. Carey School of Business.

Readmission requirements: must meet Freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 SAT score OR 25 ACT score OR the student must have graduated in the top eight percent of the high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with less than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory Social and Behavioral Sciences in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

The management major prepares graduates for managerial leadership in a world characterized by:

- corporate accountability
- cross-functional management
- demands for continuous process improvements to enhance the value chain
- ethical decision making
- growing technological sophistication
- racial, cultural and gender diversity in the workforce
- the fast pace of e-business
- the need for skills in communicating and working with people, directing projects and managing change

Graduates with skills in these areas are likely to be recruited by:

- for-profit and nonprofit organizations
- high-tech firms
- large and small organizations
- management consulting firms
- service and manufacturing firms

The ONET salaries below reflect median salaries, not starting salaries.

Contact Information:

Business, W. P. Carey School of

Department of Management

<http://wpcarey.asu.edu/undergraduate-degrees/management>

BA 323

wpcareymgt@asu.edu

480-965-3431

Marketing, BS (BAMKTBS)

Campus: TEMPE

Program Description:

Students majoring in marketing gain an understanding of the science behind consumer behavior and the critical role that marketing plays in all organizations. In addition, they develop marketing skills that provide a competitive advantage in their careers. The nationally ranked and award-winning marketing faculty share a passion for teaching and mentoring undergraduate students. Faculty members provide many productive ways for students to get involved in the life of our department and work with business partners. The department is home to the Center for Services Leadership, the premier international center for the study of the science of services, and offers distinctive course work in professional sales, relationship management and sports business.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of the high school class OR have an overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a Business BA program in W. P. Carey School of Business.

Readmission requirements: must meet Freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 SAT score OR 25 ACT score OR the student must have graduated in the top eight percent of the high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with less than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory Social and Behavioral Sciences in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Through the proper selection of course work and other educational experiences, a marketing student may prepare for a variety of careers in areas such as:

- business development
- business-to-business marketing
- customer relationship management

- international marketing
- market research and information management
- marketing communications
- professional sales and relationship management
- retail management
- sales management
- services marketing

The degree program provides fundamentals, flexibility and specialization opportunities.

Contact Information:

Business, W. P. Carey School of
 Department of Marketing
<http://wpcarey.asu.edu/undergraduate-degrees/marketing>
 BAC 460
wpcareymkt@asu.edu
 480-965-3621

Marketing (Digital and Integrated Marketing Communications), BS (BAMKDIMCBS)

Campus: TEMPE

Program Description:

Designed specifically for the marketing major, this concentration builds on the knowledge provided in the major and prepares marketing students with specialized knowledge and training in the areas of advertising, brand management and digital marketing. The purpose of this concentration is to equip the marketing student with cutting-edge knowledge in the marketing communications area so that they are well-prepared to assume jobs in the areas of advertising, brand management and digital marketing. This concentration will enhance the marketing degree by providing specialized expertise to our graduates in an area that is growing in importance in the marketplace.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of the high school class OR have an overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a Business BA program in W. P. Carey School of Business.

Readmission requirements: must meet Freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 SAT score OR 25 ACT score OR the student must have graduated in the top eight percent of the high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with less than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory Social and Behavioral Sciences in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities:

While the number and quality of job opportunities in advertising and brand management is relatively small, the number of entry-level positions in digital marketing has exploded. A sampling of career opportunities include:

- digital account manager
- digital marketing analyst
- digital marketing coordinator
- digital marketing specialist
- electronic marketing specialist

Contact Information:

Business, W. P. Carey School of

Department of Marketing

<http://wpcarey.asu.edu/undergraduate-degrees>

BA 160

wpcareyug@asu.edu

480-965-4227

Marketing (Professional Sales), BS (BAMKTPSBS)

Campus: TEMPE

Program Description:

The BS in marketing with a concentration in professional sales was designed for undergraduate students of marketing who are interested in pursuing the many opportunities in professional sales. Including courses in professional sales as well as sales management, this program prepares students to be successful account managers or sales team leaders in both business-to-business and business-to-consumer settings. An internship in sales, as a component of the professional sales concentration, is required.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of the high school class OR have an overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a Business BA program in W. P. Carey School of Business.

Readmission requirements: must meet Freshman admission requirements by way of high school GPA, test score or class rank and must have a
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3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 SAT score OR 25 ACT score OR the student must have graduated in the top eight percent of the high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with less than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory Social and Behavioral Sciences in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The number of employers interested in hiring professionals for sales roles far exceeds the number of students who are interested in pursuing career opportunities in sales. This concentration will prepare students for careers in account management across a variety of industries in the business-to-business and consumer products domains.

Contact Information:

Business, W. P. Carey School of
Department of Marketing
<http://wpcarey.asu.edu/undergraduate-degrees/choose-degree>
BA 160
wpcareyug@asu.edu
480-965-4227

Supply Chain Management, BS (BASCMBBS)

Campus: TEMPE, WEST

Program Description:

Supply chain managers coordinate the purchase of raw materials, manufacturing and transportation of materials across multiple vendors and multiple countries to provide the services and finished goods sitting on your local store shelf or online retailer. It is a key reason that people can buy an ever-increasing variety of goods and services at remarkably low prices.

The supply chain management program provides W. P. Carey School of Business students with an in-depth knowledge of integrated supply chain management. The curriculum focuses on:

- execution systems
- logistics
- negotiations
- operations
- planning
- procurement
- strategy development

Classes are small and use projects and case studies to bring the material to life.

Our program is consistently ranked as one of the top supply chain programs in the world, providing our students an opportunity to be recruited by many leading international companies in many different industries.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements: 1160 SAT Reasoning OR 25 ACT score, OR graduated in the top eight percent of the high school class OR have an overall high school GPA of 3.60 in ASU competency courses (A=4.00).

Freshmen should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's business BA programs or any other degree program outside W. P. Carey School of Business. Students who are not admissible to a W. P. Carey Business BS major and who did not select a second major or are not admissible to their second major choice will be placed in a Business BA program in W. P. Carey School of Business.

Readmission requirements: must meet Freshman admission requirements by way of high school GPA, test score or class rank and must have a 3.00 transfer GPA (if applicable) and a 3.00 cumulative ASU GPA.

Transfer admission requirements (30 or more semester hours of credit after high school): 3.00 transfer GPA and one of the following: 1160 SAT score OR 25 ACT score OR the student must have graduated in the top eight percent of the high school class.

Transfer students should select an additional major when applying for admission. Additional choices may include any of the W. P. Carey's Business BA programs or any other business or other degree program outside W. P. Carey School of Business.

Students with less than 45 transfer hours who are not admissible to a W. P. Carey School of Business major and who did not select a second major or are not admissible to their second major choice will be placed in Exploratory Social and Behavioral Sciences in the School of Letters and Sciences.

Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Career track progression can lead to the vice president level in supply-chain-related areas. Firms recruit ASU supply chain management graduates from around the world and in all sectors of the economy, including:

- health care
- manufacturing
- public and private
- retail
- service

Students from our program are highly sought after, and we have excellent placements. The following are some positions that our graduates have obtained:

- buyer or planner
- commodity manager
- distribution manager
- Internet marketing analyst
- inventory specialist
- logistics planner
- materials manager
- operations planner or analyst
- planner or analyst

- product forecaster
- production coordinator
- production line manager
- production scheduler
- quality control specialist
- supply management analyst

Contact Information:

Business, W. P. Carey School of
 Department of Supply Chain Management
<http://wpcarey.asu.edu/undergraduate-degrees/supply-chain-management>
 BA 446
wpcarey.scm@asu.edu
 480-965-6044

Design & the Arts, Herberger Institute for

Architectural Studies, BSD (ARSTDBSD)

Campus: TEMPE

Program Description:

Architects design buildings and environments that are useful, sustainable and aesthetically pleasing. This implies an understanding of people's needs; the science and technology of building and the concepts of aesthetics. The faculty in The Design School offer a BSD in architectural studies. In addition to developing knowledge and skills in architectural design, building technology, landscape architecture and professional practice, students are encouraged to select electives from a broad range of approved courses within the institute and across the university. These electives may be selected to devise a minor, to further professional study or in some other fashion enrich the student's academic experience.

All students who are admitted to the major must pass a degree milestone to continue in the major at the end of the first year. For more information on the milestone process, visit: <http://herbergerinstitute.asu.edu/degrees/milestone.php> (<http://herbergerinstitute.asu.edu/degrees/milestone.php>).

This is an eight-semester program requiring sequential completion of studio course work (or approved equivalent) at any point of entry.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates of the bachelor's program who wish to become licensed can complete their professional studies by attending graduate school and earning the accredited professional master's. In Arizona, other graduates work for registered architects for several years before taking their licensing examination. Some begin their careers working for small offices of 10 to 20 people; others work for very large firms, industries, corporations or governmental agencies.

Contact Information:

Design & the Arts, Herberger Institute for
 The Design School
<http://design.asu.edu/degrees/>
 CDN 162
herbergeradvising@asu.edu
 480-965-3536

Art (Art Education), BFA (FAARTEBFA)

Campus: TEMPE

Program Description:

The BFA in art with a concentration in art education involves:

- facilitation of the teaching of art
- art learning strategies and processes
- policymaking in art
- the study of art

The program focuses on public and private K-12 instruction, art in higher education and educational programs in art museums. Students investigate issues in art teaching and learning from multiple perspectives, including:

- art inquiry
- context
- development
- studio
- visual culture

In addition to their art education course work, students are required to take course work in the various studio programs offered in the School of Art.

All students who are admitted to the major must pass a portfolio review to continue in the major after successful completion of the art foundational course work. For more information on the portfolio review process, visit: <http://art.asu.edu/admissions/undergrad/applying/> (<http://art.asu.edu/admissions/undergrad/applying/>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities:

Graduates who also complete the state certification requirements for an art specialist certificate can teach in public and private elementary schools, middle schools and high schools. Graduates who do not seek state certification may find opportunities for jobs with art museums and recreational or community service groups that offer art instruction.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu>
ART 102
herbergeradvising@asu.edu
480-965-3468

Art (Art History), BA (FAARTHBA)

Campus: ONLNE, TEMPE

Program Description:

The BA in art history is a comprehensive degree designed to train students to engage with visuality in multiple ways. It offers a diverse curriculum intended to foster critical understanding of the aesthetics, production, patronage and consumption of art. Internationally recognized faculty offer classes across many cultures and time periods, geographies and multiple approaches and methodologies.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students meeting the university requirements for admission may matriculate in the Herberger Institute for Design and the Arts. Separate admission procedures and approvals are required for some programs within the college. Students must contact specific departments or schools for details.

Freshmen students applying to the Herberger Institute School of Art enter ASU as art exploratory majors in the School of Art. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically students in their second year interested in studio art and art education will submit a portfolio for review once they have completed their core requirements and are completing the last of the 12 hours of 200-level art requirements or if they are interested in art history or museum studies, they will submit a declaration form in the semester in which they complete 30 hours.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Graduates in art history at the bachelor's level find employment opportunities in commercial art galleries, entry-level jobs with art publications and in museums. A graduate degree is essential for professional jobs; a master's degree prepares individuals to teach at the community college level or to gain entry into museums, auction houses and publishing companies. The PhD is a necessity for employment as a university or college teacher, and

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for responsible administrative posts in the museum and publishing world.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu>
ART 102
herbergeradvising@asu.edu
480-965-3468

Art (Art Studies), BA (FAARTSTDBA)

Campus: TEMPE

Program Description:

The art studies curriculum offers students a broad educational foundation in the arts and general studies. The BA in art with a concentration in art studies is an interdisciplinary program featuring course work in art history, studio art, performing arts and a range of arts-related courses throughout the university. This concentration offers students a great deal of flexibility in planning course work. The scope of offerings in art and elsewhere on campus is unparalleled at smaller institutions. An art studies student can assemble an art-related curriculum focused on individual student needs, in consultation with a faculty advisor.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students meeting the university requirements for admission may matriculate in the Herberger Institute for Design and the Arts. Separate admission procedures and approvals are required for some programs within the college. Students must contact specific departments or schools for details.

Freshmen may apply directly to the art studies program; there is no portfolio review for this major.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Graduates work in arts-related fields such as:

- arts administration
- galleries
- service-related art fields

Career opportunities are also available with employers who seek graduates with a well-rounded humanities education.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art

<http://art.asu.edu>
ART 102
herbergeradvising@asu.edu
480-965-3468

Art (Ceramics), BFA (FAARTCBFA)

Campus: TEMPE

Program Description:

The BFA ceramics program provides a stimulating and challenging environment for artistic and intellectual growth. With the realization that discipline, familiarity with historical precedents and freedom go hand in hand with creative activities, the area strives to strike a balance between the acquisition of traditional skills and the promotion of independence and innovation. Responsibility is placed on the individual student to find personally meaningful content and an effective means to express that content within the ceramic arts. The ceramics program features a complete and varied line of kilns, wheels and other equipment. World-renowned faculty ensure that graduates of the program learn the techniques and concepts that will enable their work to take any direction they wish. A strong guest artist schedule enhances the program and the Ceramics Research Center at the ASU Art Museum, with its collection of more than 3,000 pieces, provides unparalleled opportunities to study and research ceramics.

All students who are admitted to the major must pass a portfolio review to continue in the major after successful completion of the art foundational course work. For more information on the portfolio review process, visit: <http://art.asu.edu/admissions/undergrad/applying/> (<http://art.asu.edu/admissions/undergrad/applying/>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities:

Graduates of the undergraduate and graduate programs work as artists in the field, selling their works through commercial galleries, commissions and to private collectors. Some artists work as designers and consultants to the commercial ceramic industry; others set up their own businesses, producing handcrafted functional ware, architectural tiles and one-of-a-kind works.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu>
ART 102
herbergeradvising@asu.edu
480-965-3468

Art (Drawing), BFA (FAARTDBFA)

Campus: TEMPE

Program Description:

The BFA drawing program offers a learning environment for creative, intellectual and technical growth that leads to quality art practice and professionalism. The program encourages a wide spectrum of approaches to contemporary drawing as visual expression, ranging from traditional to innovative. Students work under the guidance of a large full-time faculty of active professionals who are nationally and internationally recognized. Visiting artists of national stature enhance the program with lectures and individual undergraduate critiques.

All students who are admitted to the major must pass a portfolio review to continue in the major after successful completion of the art foundational course work. For more information on the portfolio review process, visit: <http://art.asu.edu/admissions/undergrad/applying/> (<http://art.asu.edu/admissions/undergrad/applying/>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities:

Graduates complete the program with drawing skills that enable them to apply for positions that require knowledge in drawing or two-dimensional conceptual skills. Further education, either formal or informal, is usually necessary to refine their skills in a very competitive marketplace. Many graduates continue their education in an MFA graduate program, which allows them to develop their talent further and to teach. Some take jobs in related fields, such as galleries and museums, allowing them to continue producing their own creative work.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu>
ART 102
herbergeradvising@asu.edu
480-965-3468

Art (Fibers), BFA (FAARTFBFA)

Campus: TEMPE

Program Description:

The BFA fibers program cultivates an environment that stimulates creative and intellectual growth. Students are encouraged to discover their distinctive expression informed by knowledge and skills related to surface design, woven structures and 3-D structures. Course work covers processes from basic carding, spinning, dyeing and felting to the use of the loom. Throughout, students are challenged to utilize and interpret textile traditions while considering innovative and interdisciplinary approaches to contemporary art.

All students who are admitted to the major must pass a portfolio review to continue in the major after successful completion of the art foundational course work. For more information on the portfolio review process, visit: <http://art.asu.edu/admissions/undergrad/applying/> (<http://art.asu.edu/admissions/undergrad/applying/>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities:

Graduates are prepared to establish their own studios and begin making art or design fabrics for use as interior fabrics or as one-of-a-kind garments. Students are also prepared to begin a graduate program. Some undergraduates have gone to New York City to work in the field of designing textiles. Others prefer to focus on their own art for exhibition. Graduates also set up their own studios and design wearable or fabrics for

interior use, while others make their living by doing commissioned work for interior spaces.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu>
ART 102
herbergeradvising@asu.edu
480-965-3468

Art (Intermedia), BFA (FAARTIBFA)

Campus: TEMPE

Program Description:

The BFA intermedia program is a conceptually driven program with an interdisciplinary approach to art-making. Students work with experimental studio practices, performance and digital media to explore new avenues for self-expression, collaborative practice and community action. The program covers a wide range of conceptual and media orientations reflecting the professional practices of a growing team of faculty members. Currently, emphasis in performance, installation, mixed media, digital video, digital sculpture, animation and Web art are offered. Interaction and collaboration across other areas in the School of Art, including sculpture and photography, are encouraged and supported.

All students who are admitted to the major must pass a portfolio review to continue in the major after successful completion of the art foundational course work. For more information on the portfolio review process, visit: <http://art.asu.edu/admissions/undergrad/applying/> (<http://art.asu.edu/admissions/undergrad/applying/>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities:

Career opportunities depend on the emphasis selected. Possibilities include:

- computer graphics and animation
- independent artist
- media consultant
- museum or gallery installation
- positions in the music or entertainment industry
- set designer
- teacher
- videography

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu>
ART 102
herbergeradvising@asu.edu
480-965-3468

Art (Metals), BFA (FAARTMBFA)

Campus: TEMPE

Program Description:

The BFA metals program offers a wide range of traditional and nontraditional approaches to:

- attention to detail
- creativity
- critical thinking
- emphasizing craft skills
- metalworking

A well-equipped studio with a wide variety of metal-smithing tools is offered. Students explore the close relationship with the School of Art's sculpture and foundry programs, learn important entrepreneurial skills, and receive a strong foundation in technical vocabulary and methods for working with metal while being encouraged to experiment with alternative materials and techniques.

Students have the opportunity to gain knowledge and skills through additional educational opportunities that include:

- conferences and symposia
- internship possibilities
- lectures
- visiting artists
- visits to artist studios, museums and exhibitions
- workshops

ASU is located in proximity to numerous galleries and museums as well as local organizations such as:

- The Arizona Artist-Blacksmith Association
- The Arizona Designer Craftsmen
- Metalink

All students who are admitted to the major must pass a portfolio review to continue in the major after successful completion of the art foundational course work. For more information on the portfolio review process, visit: <http://art.asu.edu/admissions/undergrad/applying/> (<http://art.asu.edu/admissions/undergrad/applying/>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities:

Graduates find opportunities in jewelry firms or work in independent production as one-of-a-kind jewelers in their own businesses. Many students further their opportunities by going on to complete the MFA.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu/>
ART 102
herbergeradvising@asu.edu
480-965-3468

Art (Museum Studies), BA (FAARTMSBA)

Campus: TEMPE

Program Description:

Museum studies students explore:

- art galleries
- art history
- art museums
- public art programs
- visual arts organizations

The BA in art with a concentration in museum studies undergraduate program at ASU is one of the most rigorous in the U.S. The program ensures that students are knowledgeable in:

- art history
- critical writing skills
- foreign languages
- museums, galleries and visual arts organizations

The curriculum includes art history courses taught by faculty with diverse specialties. Museum professionals and arts administrators teach specialized classes in their areas of expertise. Internships enable students to work directly with working arts professionals in their field of interest.

Students must take courses in:

- art history
- galleries and museums
- research
- small business

Course work may also include classes in nonprofit management and arts policy.

Students must also demonstrate an ability to read at least one foreign language.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students meeting the university requirements for admission may matriculate in the Herberger Institute for Design and the Arts. Separate admission procedures and approvals are required for some programs within the college. Students must contact specific departments or schools for details.

Freshmen students applying to the Herberger Institute School of Art enter ASU as art exploratory majors in the School of Art. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically students in their second year interested in studio art and art education will submit a portfolio for review once they have completed their core requirements and are completing the last of the 12 hours of 200-level art requirements or if they are interested in art history or museum studies, they will submit a declaration form in the semester in which they complete 30 hours.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Museum studies graduates find employment possibilities in art galleries, art-based organizations and entry-level positions with art publications and museums. A graduate degree is necessary for professional positions. An MA prepares individuals to teach at community colleges and to gain entry into museums, auction houses and publishing companies. The PhD is necessary for employment as a faculty member at a university or for administrative posts in museums and higher education.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu/>
ART 102
herbergeradvising@asu.edu
480-965-3468

Art (Painting), BFA (FAARTPABFA)

Campus: TEMPE

Program Description:

The BFA program in painting offers a learning environment for creative, intellectual and technical growth that leads to quality art practice and professionalism. The program encourages a wide spectrum of approaches to contemporary painting as visual expression, ranging from traditional to innovative. Students work under the guidance of a large full-time faculty of active professionals who are nationally and internationally recognized. Visiting artists of national stature enhance the program with lectures and individual undergraduate critiques.

All students who are admitted to the major must pass a portfolio review to continue in the major after successful completion of the art foundational course work. For more information on the portfolio review process, visit: <http://art.asu.edu/admissions/undergrad/applying/> (<http://art.asu.edu/admissions/undergrad/applying/>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities:

Graduates complete the program with the painting skills that enable them to apply for positions that require knowledge in painting or two-dimensional conceptual skills. Further education, either formal or informal, is usually necessary to refine their skills in a very competitive marketplace. Many graduates continue their education in an MFA graduate program, which allows them to develop their talent further and to teach. Some take jobs in related fields, such as galleries and museums, allowing them to continue their own creative work.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu/>
ART 102
herbergeradvising@asu.edu
480-965-3468

Art (Photography), BFA (FAARTPHBFA)

Campus: TEMPE

Program Description:

The BFA program in photography offers students a broad-based educational experience centering around light sensitive systems. The photography faculty at ASU is significant in size and diverse in background and creative practice, making possible a wide range of options for students. Students work in 19th-century processes, a state-of-the-art digital lab, traditional black-and-white darkrooms and in collaboration with printmakers and intermedia artists. The program includes course work in criticism and theory as well as gallery and museum practice. Northlight Gallery grants students the opportunity to engage with photographic artists from around the world, as well as providing experience with collections and exhibition opportunities.

All students who are admitted to the major must pass a portfolio review to continue in the major after successful completion of the art foundational course work. For more information on the portfolio review process, visit: <http://art.asu.edu/admissions/undergrad/applying/> (<http://art.asu.edu/admissions/undergrad/applying/>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities:

A degree in the arts offers students a pathway to a rich and varied choice of careers. Students with a photography degree may work as independent studio photographers or contract for commercial work for firms, museums, galleries, individuals and other artists. The bachelor's is essential for advanced study leading to the terminal MFA. This advanced degree offers opportunities in:

- curatorial work in galleries, museums and historical collections
- history or studio areas
- nonprofit arts organization management
- university teaching

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu/>

Art (Printmaking), BFA (FAARTPMBFA)

Campus: TEMPE

Program Description:

The BFA program in printmaking provides a complete studio experience with regular courses in:

- book arts
- intaglio
- lithography
- monotype
- other graphic applications
- papermaking
- relief
- screenprint

Accomplished faculty teach in spacious, well-equipped studios, offering a complete range of print media. While individual students are encouraged to pursue a personal direction, the faculty encourages students to become well-rounded printmakers by experiencing and understanding many media and processes, including experimentation and interdisciplinary approaches to making art. No style, technique or aesthetic approach is stressed over another, so that the individual quality of each student's work is the essential measure of achievement. Collaboration is encouraged and students often work with other areas in the School of Art, particularly photography and intermedia.

All students who are admitted to the major must pass a portfolio review to continue in the major after successful completion of the art foundational course work. For more information on the portfolio review process, visit: <http://art.asu.edu/admissions/undergrad/applying/> (<http://art.asu.edu/admissions/undergrad/applying/>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities:

Trained printmakers are working artists, practicing the expression of a personal understanding of their place in the world. They may find employment as artists or printmakers in schools of all levels teaching the execution and appreciation of visual art. They also work in fine art print studios, executing original prints for other artists. Printmaking skills such as screenprinting or photomechanical, and digital techniques, acquired for the production of art, also have commercial, nonart applications that may afford skilled employment. Artists with printmaking skills may also work with graphic designs, illustrations and signage or may work in museums, conservation, publishing, galleries and in other art-related activities. Additionally, their art may sell successfully in the open marketplace.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu/>
ART 102
herbergeradvising@asu.edu
480-965-3468

Art (Sculpture), BFA (FAARTSBFA)

Campus: TEMPE

Program Description:

The BFA program in sculpture recognizes the broad, interdisciplinary nature of sculpture today. A wide range of media now falls within an expanded definition of sculpture. Course work includes:

- architectural sculpture
- foundry
- interactive and kinetic sculpture
- more traditional forms of 3-D expression, including metal and wood
- neon
- video installation

While classes run the gamut of the contemporary sculpture environment, there also is an emphasis on helping students put today's creations in the contexts of the history of sculpture and the larger field of contemporary art. Critical inquiry is augmented by courses in the art history program. Visiting artists, curators and critics connect students to the contemporary context.

All students who are admitted to the major must pass a portfolio review to continue in the major after successful completion of the art foundational course work. For more information on the portfolio review process, visit: <http://art.asu.edu/admissions/undergrad/applying/> (<http://art.asu.edu/admissions/undergrad/applying/>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

All art students will be admitted to ASU into the Bachelor of Arts (art studies) program. They must complete a series of requirements including foundational course work and successfully passing a portfolio review to be eligible for study in one of the school's Bachelor of Fine Arts degree programs, which include upper-division course work in the studio. There is no portfolio review process at the time of admission to ASU for freshmen.

Typically, students in their second year who are interested in studio art and art education will submit a portfolio for review after completing the core requirements and during completion of the last of the 12 hours of 200-level art requirements. Students interested in art history or museum studies will submit a declaration form in the semester in which they complete 30 hours. The student's major will be changed upon successful completion of

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the portfolio. Students may choose to remain in and complete the Bachelor of Arts (art studies) in which case no portfolio is required.

Transfer students who have completed the foundational core and pre-art requirements may submit a portfolio for review before they have been admitted to ASU. To complete an undergraduate degree in four years, it is recommended that community college transfer students, who are completing a two year degree and have completed the foundational core and pre-art requirements, apply and submit a portfolio in the semester they are completing their community college degree or the semester before they plan to enter Arizona State University.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 credit hours of resident credit in the major as approved by the faculty.

Career Opportunities:

Graduates are prepared to embark on a lifetime exploration of the many aspects of 3-D art. Positions are available in:

- 3-D design
- the fabrication and design of exhibitions
- the motion picture industry
- set design
- teaching
- welding

Academic posts and positions with museums generally require advanced degrees. Many students also prefer to establish their own studios after graduation.

Contact Information:

Design & the Arts, Herberger Institute for
School of Art
<http://art.asu.edu/>
ART 102
herbergeradvising@asu.edu
480-965-3468

Arts (BA in the Arts), BA (FAATSBA)

Campus: TEMPE

Program Description:

The BA in the arts is an interdisciplinary degree program designed for students who are passionate about the arts and interested in combining knowledge about multiple arts disciplines. Students will gain an increased understanding of the theoretical, historical and cultural forces that shape the arts through an open-ended path for exploration and development of a range of skills that will be valuable for advanced study in multiple areas.

The major includes a common core for all students, and students choose a focus from:

- arts administration
- entertainment design
- fashion design
- historical and theoretical studies in the arts
- individualized focus designed by the student and subject to approval by the institute's standards committee and the dean's office

Additional Program Fee: N

Second Language Requirement: Students pursuing the historical and theoretical studies focus area must demonstrate foreign language proficiency. Remaining focus areas do not have a second language requirement.

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

As the population in the state of Arizona grows, numerous arts organizations are developing to provide cultural and artistic experiences for our residents. These organizations will need and demand individuals with the necessary critical thinking skills who understand the impact the arts have on society and who will be passionate employees committed to the arts. This program will provide the skill set necessary for careers as:

- arts administrators
- arts critics
- media arts authors and publishers
- museum curators and directors
- public art specialists

Contact Information:

Design & the Arts, Herberger Institute for

Dean, Herberger Institute for Design and the Arts

http://herbergerinstitute.asu.edu/degrees/ba_arts/

CDS 101

herbergeradvising@asu.edu

480-965-4495

Dance, BFA (FADANBFA)

Campus: TEMPE

Program Description:

The School of Film, Dance and Theatre provides a dynamic and culturally diverse learning environment in which students develop as creative artists, scholars and educators. The BFA in dance provides an interdisciplinary curriculum promoting innovative collaborations and a holistic approach to acquiring skills for successful career transitions. The core program values of creativity and research are embedded in a broad range of academic experiences that emphasize:

- artistic process
- leadership
- movement and creative practices
- pedagogy

Through classes, internships and apprenticeships, as well as careful advisement and guidance from the faculty, students discover individual strengths, the power of community engagement and establish unique goals in the dance field.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Admission to the BFA in dance is selective and based on an interview process. Students are admitted to ASU as dance interview students and must successfully complete an interview and audition before enrolling in the dance major. If you pass your interview, the School of Film, Dance and Theatre will change your major to the BFA in dance. In the event that you are admitted to ASU, but not selected as a dance major or you miss the interview application deadline, you will enter ASU as a dance interview student and will need to successfully pass the dance interview and audition milestone in the first semester in order to gain admission into the program.

Interview days take place in November and February of each year. To ensure a smooth curricular progression, we strongly encourage all prospective dance students, including transfer students, to participate in the interview day during the semester prior to their intended date of enrollment. More information on the interview process and deadlines can be found at <http://dance.asu.edu/admissions/undergrad/applying/> (<http://dance.asu.edu/admissions/undergrad/applying/>).

The deadline for applying to interview for the dance program for spring 2014 is Nov. 8, 2013.

The deadline for applying to interview for the dance program for fall 2014 is Feb. 7, 2014.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

Career Opportunities:

The comprehensive academic foundation of the Bachelor of Fine Arts degree in dance prepares students to be leading dance professionals of the 21st century. Graduates of the bachelor's program have the expertise and broad experience to initiate and lead artistic projects in diverse contexts, perform in a broad range of work, choreograph and collaborate. In addition, graduates:

- conduct research
- direct or manage performing arts companies, studios or dance-related organizations
- facilitate community partnerships and projects
- produce dance media for performance or instruction
- teach and design curriculum
- work in technical theatre and dance production
- work in the field of arts management
- write scholarly publications

Contact Information:

Design & the Arts, Herberger Institute for
School of Film, Dance and Theatre
<http://dance.asu.edu/>
GHALL 232
herbergeradvising@asu.edu
480-965-5337

Dance (Dance Education), BFA (FADANEBAFA)

Campus: TEMPE

Program Description:

The BFA in dance education prepares students for certification to teach dance in K-12 schools in the state of Arizona. Students in this degree program are required to complete additional state certification requirements. The School of Film, Dance and Theatre provides a dynamic and culturally diverse learning environment where students develop as creative artists, scholars and educators. Studies in dance cultures, music, digital media, dance history, philosophy and criticism, movement science, somatics, and stage and screen production enhance the rich educational setting. Creativity and research, the core program values, are embedded in a broad range of academic experiences emphasizing movement and creative practices, artistic process, leadership and pedagogy.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Admission to the BFA in dance is selective and based on an interview process. Students are admitted to ASU as dance interview students and must successfully complete an interview and audition before enrolling in the dance major. If you pass your interview, the School of Film, Dance and Theatre will change your major to the BFA in dance. In the event that you are admitted to ASU, but not selected as a dance major or you miss the interview application deadline, you will enter ASU as a dance interview student and will need to successfully pass the dance interview and audition milestone in the first semester in order to gain admission into the program.

Interview days take place in November and February of each year. To ensure a smooth curricular progression, we strongly encourage all prospective dance students, including transfer students, to participate in the interview day during the semester prior to their intended date of enrollment. More information on the interview process and deadlines can be found at <http://dance.asu.edu/admissions/undergrad/applying/> (<http://dance.asu.edu/admissions/undergrad/applying/>).

The deadline for applying to interview for the dance program for spring 2014 is Nov. 8, 2013.

The deadline for applying to interview for the dance program for fall 2014 is Feb. 4, 2014.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 hours of resident credit in the major as approved by the faculty.

Career Opportunities:

The concentration in dance education lays the foundation for a career in teaching in public and private settings. Students earn an Arizona teaching certification while pursuing the dance education degree, and they can expect to find employment in one of many thriving middle school and high school dance programs throughout the state or in more informal community settings.

Contact Information:

Design & the Arts, Herberger Institute for
School of Film, Dance and Theatre
<http://dance.asu.edu/>
GHALL 232
herbergeradvising@asu.edu
480-965-5337

Design Studies, BA (ARDSNBA)

Campus: TEMPE

Program Description:

The BA in design studies is a four-year, nonstudio program of study in design that focuses on the design disciplines offered in the ASU Herberger Institute:

- architectural studies
- graphic design
- industrial design
- interior design
- landscape architecture

It is a highly flexible program of study, much like a liberal arts degree, in which students select design and design-related courses offered in the institute and throughout the university. Students acquire a breadth of design knowledge via courses taken from three categories:

- communication for design
- design history
- general design

It provides a design education, general and specific, to students who seek opportunities in the broader design sector or in graduate education.

Students may undertake the program in one of two specific concentrations: design studies, which allows students to discover the myriad possibilities of design as a subject area as well as the flexibility that it provides for further exploration; or design management, which offers a selection of courses in management and human communication that complement design.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Although a specific career path is not the principal intention, recent graduates of the program have become involved in sales and marketing in the design sector or have gone on to graduate studies in architecture and planning. Other possible career paths include journalism and education.

Contact Information:

Design & the Arts, Herberger Institute for

Dean, Herberger Institute for Design and the Arts

http://herbergerinstitute.asu.edu/degrees/ba_design/

CDS 101

herbergeradvising@asu.edu

480-965-4495

Design Studies (Design Management), BA (ARDSNMBA)

Campus: TEMPE

Program Description:

The BA in design studies is a four-year, nonstudio program of study in design that focuses on the design disciplines offered in the ASU Herberger Institute:

- architectural studies
- graphic design
- industrial design
- interior design
- landscape architecture

It is a highly flexible program of study, much like a liberal arts degree, in which students select design and design-related courses offered in the institute and throughout the university. Students acquire a breadth of design knowledge via courses taken from three categories:

- communication for design
- design history
- general design

It provides a design education, general and specific, to students who seek opportunities in the broader design sector or in graduate education.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)
Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Although a specific career path is not the principal intention, recent graduates of the program have become involved in sales and marketing in the design sector, or have gone on to graduate studies in architecture and planning. Other possible career paths include journalism and education.

Contact Information:

Design & the Arts, Herberger Institute for
Dean, Herberger Institute for Design and the Arts
http://herbergerinstitute.asu.edu/degrees/ba_design/
CDS 101
herbergeradvising@asu.edu
480-965-4495

Digital Culture (Art), BA (HIDGCABA)

Campus: TEMPE

Program Description:

The BA in digital culture is designed for students who are interested in new media-based cultural practice. Recognizing the transformative role of digital technology in our day-to-day lives, the degree emphasizes the strongest emerging trend in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. This dynamic curriculum (customizable by the student) not only prepares students with tangible skills in new media, but also with skills to continuously adapt and maintain a leadership role in cultural practice over the next 40 years.

Graduates interested in continuing their education are well prepared to apply for the top interdisciplinary new media programs in the nation.

Digital Culture - Art Concentration

The program is for students wishing to specialize in visual composition aspects of new media. Students complement their knowledge of new media with an understanding of the historical and theoretical aspects of visual arts, foundational visual arts skills and hands on knowledge of visual composition through digital means.

For more information on the art concentration, visit: https://digitalculture.asu.edu/education/art_concentration
(https://digitalculture.asu.edu/education/art_concentration).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Upon graduation, digital culture students have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multi-media shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- diagnostic, monitoring assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates of the digital culture program who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Contact Information:

Design & the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
<https://digitalculture.asu.edu>
BYENG 395
herbergeradvising@asu.edu
480-965-9438

Digital Culture (Arts and Design Studies), BA (HIDCADSBA)

Campus: TEMPE

Program Description:

The BA in digital culture is a broad-based liberal arts degree program designed for students who are interested in new media-based cultural practice. The digital culture initiative is recognizing the transformative role of digital technology in cultural practice and our day-to-day lives. The degree emphasizes the strongest emerging trend in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. We refer to these systems as new media. Through a collaboration with more than 15 partnering ASU units, the Herberger Institute for Design and the Arts has created a dynamic, cross-campus, student-customizable curricula that not only prepares students with tangible skills in new media, but also with skills to continuously adapt and maintain a leadership role in cultural practice over the next 40 years.

Students complement their knowledge of new media with broad-based cross-disciplinary studies in design and the arts.

Digital Culture - The Arts and Design Studies Concentration

The program is for students wishing to integrate cross-disciplinary studies in design and the arts into new media applications.

Students complement their knowledge of new media with broad-based cross-disciplinary studies in design and the arts.

For more information about the arts and design studies concentration, visit: https://digitalculture.asu.edu/education/arts_and_design_concentration (https://digitalculture.asu.edu/education/arts_and_design_concentration).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Upon graduation, digital culture students have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)

- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multi-media shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- diagnostic, monitoring assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates of the digital culture program who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Contact Information:

Design & the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
<https://digitalculture.asu.edu>
BYENG 395
herbergeradvising@asu.edu
480-965-9438

Digital Culture (Design), BA (HIDGCDBA)

Campus: TEMPE

Program Description:

The BA in digital culture is designed for students who are interested in new media-based cultural practice. Recognizing the transformative role of digital technology in our day-to-day lives, the degree emphasizes the strongest emerging trend in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. This dynamic curriculum (customizable by the student) not only prepares students with tangible skills in new media, but also with skills to continuously adapt and maintain a leadership role in cultural practice over the next 40 years.

Graduates interested in continuing their education are well prepared to apply for the top interdisciplinary new media programs in the nation.

Digital Culture - Design Concentration

The program allows students to specialize in hybrid (physical and digital) product and space design. Students complement their knowledge with an understanding of the principles of space and product design, the historical and theoretical aspects of design, and develop integrative design approaches to the digital and physical elements of hybrid products and spaces.

For more information on the design concentration, visit: https://digitalculture.asu.edu/education/design_concentration
(https://digitalculture.asu.edu/education/design_concentration).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Upon graduation, digital culture students have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- diagnostic, monitoring assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates of the digital culture program who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Contact Information:

Design & the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
<https://digitalculture.asu.edu>
BYENG 395
herbergeradvising@asu.edu
480-965-9438

Digital Culture (Film), BA (HIDGCFBA)

Campus: TEMPE

Program Description:

The BA in digital culture is designed for students who are interested in new media-based cultural practice. Recognizing the transformative role of digital technology in our day-to-day lives, the degree emphasizes the strongest emerging trend in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. This dynamic student-customizable curriculum not only prepares students with tangible skills in new media, but also with skills to continuously adapt and maintain a leadership role in cultural practice over the next 40 years.

Graduates interested in continuing their education are well prepared to apply for the top interdisciplinary new media programs in the nation.

Digital Culture - Film Concentration

The program is for students wishing to integrate digital aspects of film into new media. Students complement their knowledge with an understanding of the foundations of filmmaking practices, historical and theoretical aspects of film, knowledge of the film industry and hands on knowledge of digital processes in filmmaking processing skills.

For more information on the film concentration, visit: https://digitalculture.asu.edu/education/film_concentration
(https://digitalculture.asu.edu/education/film_concentration).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Academic Catalog Archive 2014-2015 923

Career Opportunities:

Upon graduation, digital culture students have a wide array of career opportunities in new media, involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multi-media shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- diagnostic, monitoring assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates of the digital culture program who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Contact Information:

Design & the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
<https://digitalculture.asu.edu>
BYENG 395
herbergeradvising@asu.edu
480-965-9438

Digital Culture (Interdisciplinary Arts and Performance), BA (HIDCIAPBA)

Campus: TEMPE

Program Description:

The BA in digital culture is designed for students who are interested in new media-based cultural practice. Recognizing the transformative role of digital technology in our day-to-day lives, the degree emphasizes the strongest emerging trend in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. This dynamic student-customizable curriculum not only prepares students with tangible skills in new media, but also with skills to continuously adapt and maintain a leadership role in cultural practice over the next 40 years.

Graduates interested in continuing their education are well prepared to apply for top interdisciplinary new media programs.

Digital Culture - Interdisciplinary Arts and Performance Concentration

This concentration, offered in partnership with New College, focuses on an interdisciplinary and collaborative approach to the arts, technology and performance. The program emphasizes the traditions of interdisciplinary, avant-garde and experimental arts, and contemporary art and performance. Courses include digital media arts, music and electronic sound art, performance studies, theatre and performance practice, and digital graphics.

For more information on this concentration, visit: https://digitalculture.asu.edu/education/iap_concentration
(https://digitalculture.asu.edu/education/iap_concentration).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Upon graduation, digital culture students have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multimedia shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- diagnostic, monitoring assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Contact Information:

Design & the Arts, Herberger Institute for
Arts, Media and Engineering Sch T
<https://digitalculture.asu.edu>
BYENG 395
herbergeradvising@asu.edu
480-965-9438

Digital Culture (Media Processing), BA (HIDGCMPPBA)

Campus: TEMPE

Program Description:

The BA in digital culture is designed for students who are interested in new media-based cultural practice. Recognizing the transformative role of digital technology in our day-to-day lives, the degree emphasizes the strongest emerging trend in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. This dynamic student-customizable curriculum not only prepares students with tangible skills in new media, but also with skills to continuously adapt and maintain a leadership role in cultural practice over the next 40 years.

Graduates interested in continuing their education are well prepared to apply for the top interdisciplinary new media programs in the nation.

Digital Culture - Media Processing Concentration

This concentration is offered in partnership with the Ira A. Fulton Schools of Engineering.

The program is for students wishing to specialize in media processing aspects of new media. Students complement their knowledge with a more advanced understanding of programming, data structures, signals processing and system architecture aspects of new media.

For more information on this concentration, visit: https://digitalculture.asu.edu/education/media_processing_concentration
(https://digitalculture.asu.edu/education/media_processing_concentration).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Upon graduation, digital culture students have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multi-media shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- diagnostic, monitoring assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Contact Information:

Design & the Arts, Herberger Institute for

Arts, Media and Engineering Sch T

<https://digitalculture.asu.edu>

BYENG 395

herbergeradvising@asu.edu

480-965-9438

Digital Culture (Music), BA (HIDGCMBA)

Campus: TEMPE

Program Description:

The BA in digital culture is designed for students who are interested in new media-based cultural practice. Recognizing the transformative role of digital technology in our day-to-day lives, the degree emphasizes the strongest emerging trend in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. This dynamic student-customizable curriculum not only prepares students with tangible skills in new media, but also with skills to continuously adapt and maintain a leadership role in cultural practice over the next 40 years.

Graduates interested in continuing their education are well prepared to apply for the top interdisciplinary new media programs in the nation.

Digital Culture - Music Concentration

Students complement their knowledge of new media with an understanding of the foundations, historical and theoretical structure of commercial and popular music, the principles of electronic music composition and digital sound, and develop digital sound creation and integrative design approaches to the digital and physical elements of hybrid products and spaces.

For more information on the music concentration, visit: https://digitalculture.asu.edu/education/music_concentration
(https://digitalculture.asu.edu/education/music_concentration).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Upon graduation, digital culture students have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multi-media shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- diagnostic, monitoring assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Contact Information:

Design & the Arts, Herberger Institute for

Arts, Media and Engineering Sch T

<https://digitalculture.asu.edu>

BYENG 395

herbergeradvising@asu.edu

480-965-9438

Digital Culture (Technological Entrepreneurship), BA (HIDGCTEBA)

Campus: TEMPE

Program Description:

The BA in digital culture is designed for students who are interested in new media-based cultural practice. Recognizing the transformative role of digital technology in our day-to-day lives, the degree emphasizes the strongest emerging trend in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. This dynamic student-customizable curriculum not only prepares students with tangible skills in new media, but also with skills to continuously adapt and maintain a leadership role in cultural practice over the next 40 years.

Graduates interested in continuing their education are well prepared to apply for the top interdisciplinary new media programs in the nation.

Digital Culture - Technological Entrepreneurship Concentration

This concentration is offered in partnership with the College of Technology and Innovation. Students complement their knowledge of new media, with technology and new media entrepreneurship skills, knowledge of legal and ethical issues for technology, and additional skills in graphic communication digital illustration and design methodology.

For more information on the technological entrepreneurship concentration, visit:

https://digitalculture.asu.edu/education/technological_entrepreneurship_concentration

(https://digitalculture.asu.edu/education/technological_entrepreneurship_concentration).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Upon graduation, digital culture students have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multi-media shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- diagnostic, monitoring assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Contact Information:

Design & the Arts, Herberger Institute for

Arts, Media and Engineering Sch T

<https://digitalculture.asu.edu>

BYENG 395

herbergeradvising@asu.edu

480-965-9438

Digital Culture (Theatre), BA (HIDGCTBA)

Campus: TEMPE

Program Description:

The BA in digital culture is designed for students who are interested in new media-based cultural practice. Recognizing the transformative role of digital technology in our day-to-day lives, the degree emphasizes the strongest emerging trend in cultural media: systems and processes that integrate digital technology with the everyday physical human experience. This dynamic student-customizable curriculum not only prepares students with tangible skills in new media, but also with skills to continuously adapt and maintain a leadership role in cultural practice over the next 40 years.

Graduates interested in continuing their education are well prepared to apply for the top interdisciplinary new media programs in the nation.

Digital Culture - Theatre Concentration

The concentration is for students wishing to integrate principles of design and production into new media. Students complement their knowledge of new media with an understanding of the fundamentals and principles of theatre design including scene, lighting, sound, costume and multimedia design, while developing art and technical direction and digital design skills.

For more information visit: https://digitalculture.asu.edu/education/theatre_concentration
Academic Catalog Archive 2014-2015 928

(https://digitalculture.asu.edu/education/theatre_concentration).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Upon graduation, digital culture students have a wide array of career opportunities in new media involving the fields of:

- communications (CISCO, Google, Facebook)
- computing (Apple, Microsoft)
- gaming and entertainment (Industrial Light and Magic, Electronic Arts, Pixar)
- media arts (engineering multi-media shows, video and sound production)

The digital culture curriculum also prepares students for roles in the development of modern media systems that address complex socio-technical problems, such as:

- diagnostic, monitoring assistive cyber-physical tools and systems that can be used by health care providers
- new systems for collaborative, participatory content creation and sharing
- social networking and reflection tools for promoting sustainability
- systems for interactive, adaptive learning and computational assessment in educational organizations

Graduates who are interested in continuing their higher education will be well prepared to apply for admission to the top interdisciplinary new media programs in the nation, including the graduate programs through the School of Arts, Media and Engineering at ASU.

Contact Information:

Design & the Arts, Herberger Institute for

Arts, Media and Engineering Sch T

<https://digitalculture.asu.edu>

BYENG 395

herbergeradvising@asu.edu

480-965-9438

Environmental Design, BS (HIEDSBS)

Campus: TEMPE

Program Description:

The BS in environmental design offers an integrated curriculum in environmental design primarily in a nonstudio format. This undergraduate program is designed to create a deep awareness and knowledge of issues that influence the design of built environments and the design of artifacts in general. The program of study emphasizes general knowledge and design research as well as focus areas. Focus areas include histories and theories of design; innovation, technology and design strategies and sustainability in environmental design. The curriculum will provide special understanding of theories, technologies, social issues and management aspects related to the student's chosen focus area. While studio courses cannot be taken as electives, students will be able to take career specific design electives and the degree prepares students for all graduate programs in The Design School.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates of this program may take on roles in offices, businesses, public institutions and industries that require an awareness of issues that affect environmental design. Additionally graduates may choose to apply to graduate programs in related disciplines to pursue professional or other graduate degrees. The program itself is not a professional degree program, but intends to provide a broad base of skills and knowledge in environmental design.

Contact Information:

Design & the Arts, Herberger Institute for

The Design School

<http://design.asu.edu>

CDS 101

herbergeradvising@asu.edu

480-965-4495

Film (Film and Media Production), BA (FAFLMBA)

Campus: TEMPE

Program Description:

The School of Film, Dance and Theatre offers a BA in film with a concentration in film and media production. The concentration provides students with a comprehensive practical knowledge of production, awareness of the impact of media and entertainment on the audience, and an understanding of the role of the artist in society. The program teaches students to thoughtfully consider not only how to look through a lens, but why they should, and is accomplished through a unique emphasis in ethical decision-making in both content creation and business practices. Students in the film and media production concentration have access to digital cameras, lighting and sound equipment in a teaching studio. Postproduction facilities include multiple computer editing stations.

All successful applicants to the Herberger Institute for Design and the Arts bachelor's in film begin their studies at ASU in the filmmaking practices concentration. All students complete the same 15-hour core requirements in their first two years of study.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

All film students will be admitted to ASU into the Bachelor of Arts in film, filmmaking practices concentration. Students who wish to pursue the highly-selective, studio-based Bachelor of Arts in film, film and media production concentration must complete the 15-hour film core and successfully pass an interview and review of their creative work to enter the concentration. This interview and creative work review generally takes place in the second or third term at ASU.

Career Opportunities:

The film and media production concentration provides students with the knowledge and experience to prepare them to enter careers in media and entertainment as:

- cinematographers
- directors
- editors
- producers
- screenwriters

The bachelor's program is an excellent broad-based foundation for work in the profession or to prepare students for further training at graduate schools or conservatories.

Contact Information:

Design & the Arts, Herberger Institute for
School of Film, Dance and Theatre
<http://theatreilm.asu.edu>
GHALL 232
herbergeradvising@asu.edu
480-965-5337

Film (Filmmaking Practices), BA (FAFPRBA)

Campus: TEMPE

Program Description:

A BA in film with a concentration in filmmaking practices provides students with a comprehensive film education within the context of the liberal arts.

Students pursuing the filmmaking practices concentration of the bachelor's in film receive grounding in production practice, independent film producing, entertainment ethics and an understanding of the role of the artist in society. Students are encouraged to participate in the production-oriented environment of the Herberger Institute for Design and the Arts. The curriculum's course work in ethics in entertainment and dramatic analysis are two unique components of the program.

Bachelor's students in film begin their studies at ASU in the filmmaking practices concentration. All students complete the same 15-hour core requirements in their first two years of study.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students interested in pursuing the highly-selective, studio-based film and media production concentration must achieve an ABOR GPA at or above 3.00, or an SAT score of 1040, or an ACT score of 22, or top 25 percent of the high school class. The applicant cannot have a deficiency in English.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The filmmaking practices concentration provides students with the knowledge and experience to prepare them to enter entry-level positions in media and entertainment production, producing and film management or to enter advanced graduate-level education.

Contact Information:

Design & the Arts, Herberger Institute for
School of Film, Dance and Theatre

<http://theatreilm.asu.edu>
GHALL 232
herbergeradvising@asu.edu
480-965-5337

Graphic Design, BSD (ARGRABSD)

Campus: TEMPE

Program Description:

Graphic designers are responsible for designing how information is communicated. Forms of communication include print, video, film and electronic (Web). The faculty in The Design School offers the BSD in graphic design.

Graphic designers are concerned with:

- appearance
- choosing the appropriate mechanism for distinctness
- clarity of information
- how communication is transferred and received

This program places an emphasis on strategic communication, developed through a design process that includes research, analysis, conceptualization, planning and realization. The process leads to innovative visual communication design solutions for contemporary design problems that are local to global in scope.

All students who are admitted to the major must pass a degree milestone to continue in the major at the end of the first year. For more information on the milestone process, visit: <http://herbergerinstitute.asu.edu/degrees/milestone.php> (<http://herbergerinstitute.asu.edu/degrees/milestone.php>).

This is an eight-semester program requiring sequential completion of studio course work (or approved equivalent) at any point of entry.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Based on a very diversified portfolio upon graduation, students opting for the graphic design profession gain employment in:

- advertising
- brand and corporate identity
- broadcast (TV graphics)
- interaction and interface design
- museum or exhibitions
- publication

Specific examples of graphic designers' work include:

- annual reports
- books
- environmental graphics
- information design
- motion graphics
- multimedia presentations
- publications
- Web design

Students may also pursue graduate studies leading to careers in design education and other fields of professional endeavor in design.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://herbergerinstitute.asu.edu/degrees/design.php>
CDN 162
herbergeradvising@asu.edu
480-965-8947

Industrial Design, BSD (ARINDBSD)

Campus: TEMPE

Program Description:

Industrial designers are responsible for the design of product and service systems that people use in their everyday lives. The industrial design program at ASU focuses on a new model of interdisciplinary product development called integrated innovation.

Using this model of innovation, students systematically work through a matrix of four questions:

- What is valuable to users?
- What is possible through engineering?
- What is desirable to business?
- What is good for society and the environment?

The goal of the program is to help students learn how to create product and service systems that:

- benefit society while minimizing impacts on the environment
- can be realized through appropriate technology and engineering
- create measurable value for business
- satisfy people's needs

All students who are admitted to the major must pass a degree milestone to continue in the major at the end of the first year. For more information on the milestone process, visit: <http://herbergerinstitute.asu.edu/degrees/milestone.php> (<http://herbergerinstitute.asu.edu/degrees/milestone.php>).

This is an eight-semester program requiring sequential completion of studio course work (or approved equivalent) at any point of entry.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

After completing the program successfully, graduates have the option of working as designers in several capacities:

They can work as members of in-house design teams in corporations in a variety of industries including, but not limited to:

- consumer goods
- furniture
- health care and medical products
- sports and outdoor goods
- toys
- transportation and mobility
- packaging design
- trade show and exhibit design
- user interface design

- They can get jobs with consulting firms that design products and services for a variety of different clients.
- A third option includes entrepreneurship, as some graduates have established their own design and manufacturing ventures.
- Designers can also get employment with nonprofit institutions or nongovernmental organizations and use their skills to address specific social or environmental problems.
- Designers are also in a position to teach a variety of courses in art and design schools, colleges or universities as part-time or full-time employment.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://herbergerinstitute.asu.edu/degrees/design.php>
CDN 162
herbergeradvising@asu.edu
480-965-8947

Interior Design, BSD (ARINTBSD)

Campus: TEMPE

Program Description:

Course work in the BSD in interior design examines the context in which individuals and groups live and work. Interior designers create environments within buildings that meet the physical and psychological needs of individuals and institutions, providing a useful, rich and rewarding context for their lives. Interior design involves the design of space, equipment and furniture. It requires substantial technical and organizational understanding, sensibility to shape, color and texture, and an awareness of design history and theory.

All students who are admitted to the major must pass a degree milestone to continue in the major at the end of the first year. For more information on the milestone process, visit: <http://herbergerinstitute.asu.edu/degrees/milestone.php> (<http://herbergerinstitute.asu.edu/degrees/milestone.php>)

This is an eight-semester program requiring sequential completion of studio course work (or approved equivalent) at any point of entry.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates find employment opportunities with interior design firms or architecture firms specializing in interior design. The scope of work undertaken by interior designers includes residential, commercial, retail, hospitality, institutional and health care design. Career opportunities include historic restoration, branding, sustainability, new product innovation and incorporation of new technology. Firms range from small to large corporations and governmental entities.

Contact Information:

Design & the Arts, Herberger Institute for
The Design School
<http://herbergerinstitute.asu.edu/degrees/design.php>
CDN 162
herbergeradvising@asu.edu
480-965-8947

Landscape Architecture, BSLA (ARPLABSLA)

Campus: TEMPE

Program Description:

The BS in landscape architecture offers students the opportunity to engage with the community in applied projects that focus on designing sustainable outdoor environments and improving the ecological and social health of the urban environment.

Undergraduate landscape architecture program projects can range from large-scale work encompassing urban design, landscape reclamation, open space preservation planning and landscape ecological design, to projects at a more intimate scale of the neighborhood park or residential back yard. Emerging areas of focus include biotechnical design, urban agriculture, construction of greenways, green roofs and living walls, and the design of healing environments. Students complement their design learning with electives from a broad range of approved courses.

All students must pass a degree milestone at the end of the first year to continue in the major. For more information, visit: <http://herbergerinstitute.asu.edu/degrees/milestone.php> (<http://herbergerinstitute.asu.edu/degrees/milestone.php>). This is an eight-semester program requiring sequential completion of studio course work (or approved equivalent).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

The bachelor's program is designed to prepare students for landscape architecture professional practice and advanced study at the graduate level. Our students have found employment in nationally recognized firms working with notable landscape architects in large multinational firms or in public agencies. Students also have gone on to pursue graduate study at universities with distinguished graduate programs in landscape architecture and allied design fields.

The U.S. Bureau of Labor Statistics projects employment for landscape architects will grow 16 percent from 2010 to 2020, about as fast as the average for all occupations. The Bureau also notes that "employers prefer to hire entry-level landscape architects who have internship experience, which significantly reduces the amount of on-the-job training required." The bachelor's program has an internship requirement meant to address this preference and better prepare our graduates for employment.

Contact Information:

Design & the Arts, Herberger Institute for

The Design School

<http://design.asu.edu>

CDN 162

herbergeradvising@asu.edu

480-965-3536

Music, BA (FAMUSBA)

Campus: TEMPE

Program Description:

The BA in music provides students with a broadly based liberal arts degree applicable to careers in music and many other fields. The music curricular core, together with more elective flexibility than in the Bachelor of Music degree, leads students to develop mainstream and alternative musical competencies, to explore musics as human history, cultural artifact and social behavior, and to pursue other areas of interest.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Visit <http://music.asu.edu/admissions/undergrad/applying> (<http://music.asu.edu/admissions/undergrad/applying>) for details. Admission to the School of Music is based on an audition. Live auditions take place on-campus in November (spring admission), and January and February (fall admission) of each year. Review audition information at <http://music.asu.edu/admissions/auditions> (<http://music.asu.edu/admissions/auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event you are admitted to ASU but not to the School of Music or you miss the audition deadline, you will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete music deadlines. Prescreening is required for all voice applicants (<http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>)).

Spring 2014: The deadline to apply for admission to the Bachelor of Arts in Music is Oct. 1, 2013 for voice applicants, and Oct. 15, 2013 for instrumental and keyboard applicants. An uploaded prescreening video is required for all applicants who wish to audition in voice: <http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Fall 2014: The deadline to apply for admission to the Bachelor of Arts in Music is Dec. 1, 2013 for voice applicants, and Jan. 6, 2014 for instrumental and keyboard applicants. An uploaded prescreening video is required for all applicants who wish to audition in voice: <http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

A few of the career opportunities include:

- concert management
- criticism
- music research
- publishing

Many graduates pursue a master's or a doctorate in music or in another professional field.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Music Education, BMUS (FAMUSEBM)

Campus: TEMPE

Program Description:

The BMus in music education is designed for students interested in pursuing careers as music teachers in the public schools. The degree program also prepares students for K-12 teaching certification.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Visit <http://music.asu.edu/admissions/undergrad/applying> (<http://music.asu.edu/admissions/undergrad/applying>) for details. Admission to the School of Music is based on an audition. Live auditions take place on-campus in November (spring admission), and January and February (fall admission) of each year. Review audition information at <http://music.asu.edu/admissions/auditions> (<http://music.asu.edu/admissions/auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event you are admitted to ASU but not to the School of Music or you miss the audition deadline, you will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete music deadlines. Prescreening is required for all voice applicants (<http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>)).

Spring 2014: The deadline to apply for admission to the Bachelor of Music in music education is Oct. 1, 2013 for voice applicants, and Oct.15, 2013 for instrumental and keyboard applicants. An uploaded prescreening video is required for all applicants who wish to audition in voice: <http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Fall 2014: The deadline to apply for admission to the Bachelor of Music in music education is Dec. 1, 2013 for voice applicants, and Jan. 6, 2014 for instrumental and keyboard applicants. An uploaded prescreening video is required for all applicants who wish to audition in voice: <http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Career Opportunities:

Graduates teach in public and private school music programs that offer general music, choir, band, orchestra, strings or some combination of musical activities. Graduates also:

- perform in community and professional ensembles
- teach privately
- work in music-related industries

Contact Information:

Design & the Arts, Herberger Institute for

School of Music

<http://music.asu.edu/>

MUSIC E167

MusicAdmissions@asu.edu

480-965-5069

Music Therapy, BMUS (FAMUSTHBM)

Campus: TEMPE

Program Description:

The BMus in music therapy prepares students for a career in the mental health or special education professions. Music therapists use carefully planned music interventions to achieve desired changes in client behavior and functioning. Music therapy is a profession in which engagement in active music-making helps a client achieve nonmusical, therapeutic goals. Educating the potential music therapist requires both a wide range of musical skills and the ability to work with people in a therapeutic manner. Music therapy students have many opportunities to develop their clinical skills. Students also study:

- human anatomy
- musical improvisation
- popular music styles
- psychology
- songwriting
- special education
- world music

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Visit <http://music.asu.edu/admissions/undergrad/applying> (<http://music.asu.edu/admissions/undergrad/applying>) for details. Admission to the School of Music is based on an audition. Live auditions take place on-campus in November (spring admission), and January and February (fall admission) of each year. Review audition information at <http://music.asu.edu/admissions/auditions> (<http://music.asu.edu/admissions/auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event you are admitted to ASU but not to the School of Music or you miss the audition deadline, you will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete music deadlines. Prescreening is required for all voice applicants (<http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>)).

Spring 2014: The deadline to apply for admission to the Bachelor of Music in music therapy is Oct. 1, 2013 for voice applicants, and Oct. 15, 2013 for instrumental and keyboard applicants. An uploaded prescreening video is required for all applicants who wish to audition in voice: <http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Fall 2014: The deadline to apply for admission to the Bachelor of Music in music therapy is Dec. 1, 2013 for voice applicants, and Jan. 6, 2014 for instrumental and keyboard applicants. An uploaded prescreening video is required for all applicants who wish to audition in voice: <http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Career Opportunities:

Graduates are eligible to sit for the music therapy certification examination given by the Certification Board for Music Therapists. Positions are available regionally and nationally in hospitals, schools, rehabilitation centers, nursing homes and other health care facilities. Career opportunities also include work in:

- geriatric care
- mental health
- physical rehabilitation
- special education

A music therapy career may also provide an opportunity for private practice with flexible hours.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Performance (Collaborative Piano), BMUS (FAMUSPPBM)

Campus: TEMPE

Program Description:

The BMus in performance with a concentration in collaborative piano offers private instruction in both solo and collaborative piano, faculty coaching of ensemble repertoire and ample opportunity for extensive collaborative performance experiences. The program focuses on core repertoire of the English, German and French song literature and selected works from the instrumental, operatic and oratorio repertoire. Collaboration within the School of Music involves working with all performance areas, including:

- concerts with large ensembles and choirs
- duo recitals with instrumental and voice colleagues
- performances of great chamber music literature
- work as rehearsal and pit pianists for the Lyric Opera Theatre

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants interested in this program should contact Dr. Andrew Campbell (Andrew.Campbell@asu.edu (Andrew.Campbell@asu.edu)) prior to applying.

Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Visit <http://music.asu.edu/admissions/undergrad/applying> (<http://music.asu.edu/admissions/undergrad/applying>) for details. Admission to the School of Music is based on an audition. Live auditions take place on-campus in November (spring admission), and January and February (fall admission) of each year. Review audition information at <http://music.asu.edu/admissions/auditions> (<http://music.asu.edu/admissions/auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event you are admitted to ASU but not to the School of Music or you miss the audition deadline, you will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete music deadlines.

Spring 2014: The deadline to apply for admission to the Bachelor of Music in collaborative piano performance is Oct. 15, 2013.

Fall 2014: The deadline to apply for admission to the Bachelor of Music in collaborative piano performance is Jan. 6, 2014.

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Career Opportunities:

A degree in the arts offers students a pathway to a rich and varied choice of careers.

Career opportunities include:

- collaborative pianist or private studio of piano
- professional performer

College-level teaching requires a graduate degree.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Performance (Guitar), BMUS (FAMUSPGBM)

Campus: TEMPE

Program Description:

The BMus in performance with a concentration in guitar focuses on the study of guitar literature and techniques. Goals include enabling students to express themselves musically while emphasizing the skills necessary to pursue a career as a professional musician. The course of study includes extensive performance experiences.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Visit <http://music.asu.edu/admissions/undergrad/applying> (<http://music.asu.edu/admissions/undergrad/applying>) for details. Admission to the School of Music is based on an audition. Live auditions take place on-campus in November (spring admission), and January and February (fall admission) of each year. Review audition information at <http://music.asu.edu/admissions/auditions> (<http://music.asu.edu/admissions/auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event you are admitted to ASU but not to the School of Music or you miss the audition deadline, you will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete music deadlines.

Spring 2014: The deadline to apply for admission to the Bachelor of Music in guitar performance is Oct. 15, 2013.

Fall 2014: The deadline to apply for admission to the Bachelor of Music in guitar performance is Jan. 6, 2014.

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Career Opportunities:

Career opportunities include:

- artist-in-residence interaction as part of school programs, or state or community arts councils, for social functions
- performing as a concert soloist or in chamber music ensembles
- providing music for restaurants, clubs, resorts, churches and art galleries
- recording and studio work
- teaching privately or as part of a college or university program

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Performance (Jazz), BMUS (FAMUSPJBM)

Campus: TEMPE

Program Description:

The BMus in performance with a concentration in jazz places an emphasis on the improvisational aspects of jazz. The curriculum combines jazz performance, composition and pedagogy in a program that allows the student to express himself or herself musically while emphasizing the skills necessary to pursue a career as a professional musician. The study of jazz performance can be a suitable background for work in:

- contemporary composition
- film scoring, writing and arranging
- performance
- private instruction
- recording studios
- teaching jazz pedagogy and other related fields in the music industry

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Visit <http://music.asu.edu/admissions/undergrad/applying> (<http://music.asu.edu/admissions/undergrad/applying>) for details. Admission to the School of Music is based on an audition. Live auditions take place on-campus in November (spring admission), and January and February (fall admission) of each year. Review audition information at <http://music.asu.edu/admissions/auditions> (<http://music.asu.edu/admissions/auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event you are admitted to ASU but not to the School of Music or you miss the audition deadline, you will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete music deadlines.

Spring 2014: The deadline to apply for admission to the Bachelor of Music in jazz performance is Oct. 15, 2013.

Fall 2014: The deadline to apply for admission to the Bachelor of Music in jazz performance is Jan. 6, 2014.

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Career Opportunities:

Graduates are prepared to work in various professional capacities, including:

- accompanist
- film scorer
- freelance musician
- jazz composer or arranger
- professional recording artist
- studio musician
- teacher

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-3371

Performance (Keyboard), BMUS (FAMUSPKBM)

Campus: TEMPE

Program Description:

The BMus in performance with a concentration in keyboard focuses on the study of literature and techniques of the piano and organ. Goals include enabling students to express themselves musically while emphasizing the skills necessary to pursue a career as a professional musician. The course of study includes extensive performance experience.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Visit <http://music.asu.edu/admissions/undergrad/applying> (<http://music.asu.edu/admissions/undergrad/applying>) for details. Admission to the School of
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Music is based on an audition. Live auditions take place on-campus in November (spring admission), and January and February (fall admission) of each year. Review audition information at <http://music.asu.edu/admissions/auditions> (<http://music.asu.edu/admissions/auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event you are admitted to ASU but not to the School of Music or you miss the audition deadline, you will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete music deadlines.

Spring 2014: The deadline to apply for admission to the Bachelor of Music in keyboard performance is Oct. 15, 2013.

Fall 2014: The deadline to apply for admission to the Bachelor of Music in keyboard performance is Jan. 6, 2014.

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Career Opportunities:

Career opportunities include:

- artist-in-residence interaction as part of school programs, or state or community arts councils
- performing as a concert soloist or in chamber music ensembles
- performing for social functions
- providing music for restaurants, clubs, resorts, churches and art galleries
- recording and studio work
- teaching privately or as part of a college or university program

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Performance (Music Theatre), BMUS (FAMUSPMBM)

Campus: TEMPE

Program Description:

The BMus in performance with a concentration in music theatre involves the study of music theatre performance techniques and repertoire. Students perform in up to five full productions every year, including most varieties of music theatre. The general education requirements include courses in dance and acting.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Visit <http://music.asu.edu/admissions/undergrad/applying> (<http://music.asu.edu/admissions/undergrad/applying>) for details. Admission to the School of Music is based on an audition. Live auditions take place on-campus in November (spring admission), and January and February (fall admission) of each year. Review audition information at <http://music.asu.edu/admissions/auditions> (<http://music.asu.edu/admissions/auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event you are admitted to ASU but not to the School of Music or you miss the audition deadline, you will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete music deadlines. Prescreening is required for all voice applicants (<http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>)).

Spring 2014: The deadline to apply for admission to the Bachelor of Music in music theatre performance is Oct. 1, 2013. An uploaded prescreening video is required for all applicants who wish to audition in voice: <http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Fall 2014: The deadline to apply for admission to the Bachelor of Music in music theatre performance is Dec. 1, 2013. An uploaded prescreening video is required for all applicants who wish to audition in voice: <http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Career Opportunities:

This degree is designed for individuals who plan a career as a performing singer-actor or actress in opera, operetta, musicals and other forms of musical theatre. Graduates become conductors, teachers, singers and actors or actresses. Graduates perform:

- on Broadway
- in major opera houses
- in national touring companies
- at universities, colleges and schools

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Performance (Orchestral Instrument), BMUS (FAMUSPOBM)

Campus: TEMPE

Program Description:

The BMus in performance with a concentration in orchestral instrument focuses on the study of literature and techniques on specific orchestral instruments. Goals of study include building and emphasizing the skills necessary to pursue a career as a professional musician. The course of study includes extensive performance experience in large ensembles, as a soloist, and as a chamber musician.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)
Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Visit <http://music.asu.edu/admissions/undergrad/applying> (<http://music.asu.edu/admissions/undergrad/applying>) for details. Admission to the School of Music is based on an audition. Live auditions take place on-campus in November (spring admission), and January and February (fall admission) of each year. Review audition information at <http://music.asu.edu/admissions/auditions> (<http://music.asu.edu/admissions/auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event you are admitted to ASU but not to the School of Music or you miss the audition deadline, you will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete music deadlines.

Spring 2014: The deadline to apply for admission to the Bachelor of Music in orchestral instrument performance is Oct. 15, 2013.

Fall 2014: The deadline to apply for admission to the Bachelor of Music in orchestral instrument performance is Jan. 6, 2014.

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Career Opportunities:

Career opportunities for graduates include:

- artist-in-residence interaction as part of school programs, or state or community arts councils
- performing as a concert soloist, or in orchestras and chamber music ensembles
- performing for social functions
- providing music for restaurants, clubs, resorts, churches and art galleries
- recording and studio work
- teaching privately or as part of a college or university program

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Performance (Voice), BMUS (FAMUSPVBM)

Campus: TEMPE

Program Description:

The BMus in performance with a concentration in voice focuses on the study of specific vocal literature and techniques. Goals include enabling students to express themselves musically while emphasizing the skills necessary to pursue a career as a professional musician. The course of study includes extensive performance experience.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)
International (<https://students.asu.edu/international/future>)
Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Visit <http://music.asu.edu/admissions/undergrad/applying> (<http://music.asu.edu/admissions/undergrad/applying>) for details. Admission to the School of Music is based on an audition. Live auditions take place on-campus in November (spring admission), and January and February (fall admission) of each year. Review audition information at <http://music.asu.edu/admissions/auditions> (<http://music.asu.edu/admissions/auditions>).

Admission to the School of Music is highly selective and based on an audition process. Students are admitted as music audition students and must successfully complete the audition before enrolling in music major courses. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. In the event you are admitted to ASU but not to the School of Music or you miss the audition deadline, you will remain as a music audition major and will need to successfully pass the music audition milestone in the first semester in order to gain admission into the program.

Application Deadlines: Visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete music deadlines. Prescreening is required for all voice applicants (<http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>)).

Spring 2014: The deadline to apply for admission to the Bachelor of Music in voice performance is Oct. 1, 2013. An uploaded prescreening video is required for all applicants who wish to audition in voice: <http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Fall 2014: The deadline to apply for admission to the Bachelor of Music in voice performance is Dec. 1, 2013. An uploaded prescreening video is required for all applicants who wish to audition in voice: <http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Career Opportunities:

Career opportunities for graduates include:

- artist-in-residence interaction as part of school programs, or state or community arts councils
- performing as a concert soloist or in chamber music ensembles
- performing for social functions
- providing music for restaurants, clubs, resorts, churches and art galleries
- recording and studio work
- teaching privately or as part of a college or university program

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-5069

Performance and Movement, BA (HIPERMVBA)

Campus: TEMPE

Program Description:

The BA in performance and movement, with specialized tracks, provides students with a wide diversity of movement and performance arts training as well as a solid foundation in creative practice within the context of a liberal arts degree. This degree provides a place for those students interested in dance, acting and performance across a wide diversity of stages, platforms and communities. The School of Film, Dance and Theatre provides a dynamic and culturally diverse learning environment in which students develop as creative artists, scholars and educators. The bachelor's in performance and movement provides an interdisciplinary performance curriculum promoting innovative collaboration and a holistic approach to acquiring skills for successful career transitions.

Additional Program Fee: N
Second Language Requirement: N
Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

The bachelor's in performance and movement provides an excellent broad-based foundation for work in the arts or entertainment professions, or readies students for further training at graduate schools or conservatories. The program's liberal arts emphasis, combined with a focus on physical presence, prepares graduates for a variety of occupations in both performance and nonperformance fields. Opportunities may include work with:

- arts entrepreneurship
- professional performing
- studio ownership and management
- themed entertainment

Contact Information:

Design & the Arts, Herberger Institute for

School of Film, Dance and Theatre

<http://theatreilm.asu.edu/>

GHALL 232

herbergeradvising@asu.edu

480-965-5337

Theatre, BA (FATHEBA)

Campus: TEMPE

Program Description:

A BA in theatre provides students with a comprehensive theatre education within the context of the liberal arts while offering specialty course work in the following areas:

- design and production
- new work development
- performance
- theatre and performance studies
- theatre for youth

ASU offers well-equipped theatrical facilities including:

- extensive and professionally staffed production shops
- fully equipped rehearsal and instructional spaces
- The Galvin Playhouse
- The Lyceum Theatre
- The Prism Theatre for student-production work

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students, both freshmen and transfers, are admitted to ASU as theatre exploratory majors. They successfully complete an interview and audition or portfolio review before enrolling as a BA theatre major. Students may interview before enrolling at ASU or participate in the interview during their first semester of study. Students who enter before interviewing take course work in the first semester to better prepare them for the interview.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The bachelor's in theatre program provides an excellent broad-based foundation for work in the arts or entertainment professions or readies students for further training at graduate schools or conservatories. The program's liberal arts emphasis prepares graduates for a variety of occupations in both theatre and non-theatre fields. Opportunities may include work with:

- arts entrepreneurship
- production companies in theatre, television or film
- schools
- themed entertainment

Contact Information:

Design & the Arts, Herberger Institute for
School of Film, Dance and Theatre
<http://theatrefilm.asu.edu/>
GHALL 232
herbergeradvising@asu.edu
480-965-5337

Theatre (Acting), BA (FATHEABA)

Campus: TEMPE

Program Description:

The BA in theatre with a concentration in acting involves comprehensive academic and hands-on theatre study with an emphasis on performance. Student artists and scholars gain a general appreciation of the principal fields of human knowledge while acquiring training in such areas as:

- film and media
- new work development
- performance and directing, design and production
- theatre and performance studies
- theatre for youth

ASU offers well-equipped theatre facilities including:

- extensive and professionally staffed production shops
- fully equipped rehearsal and instructional spaces
- The Galvin Playhouse
- The Lyceum Theatre
- The Prism Theatre for student-produced work

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students, both freshmen and transfers, are admitted to ASU as theatre exploratory majors. They successfully complete an interview and audition or portfolio review before enrolling as a BA theatre major. Students may interview before enrolling at ASU or participate in the interview during their first semester of study. Students who enter before interviewing take course work in the first semester to better prepare them for the interview. After students are admitted to the BA theatre major, they may interview for admission into the acting concentration these interviews are conducted in the spring semester. Sophomore standing is required for admission to the acting concentration.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

Career Opportunities:

The bachelor's in theatre program with a concentration in acting provides an excellent broad-based foundation for work in the profession and readies students for both advanced graduate study in the field and independent career pursuits in performance. The concentration in acting offers students advanced study that can lead to careers in theatre, film or media, ranging from regional or seasonal theatrical production opportunities for work in television and film, as well as careers in education and other related arts disciplines.

Contact Information:

Design & the Arts, Herberger Institute for

School of Film, Dance and Theatre

<http://theatrefilm.asu.edu/>

GHALL 232

herbergeradvising@asu.edu

480-965-5337

Theatre (Design and Production), BA (FADSNPRBA)

Campus: TEMPE

Program Description:

A BA in theatre with a concentration in design and production provides students with an opportunity to focus their course work on performance production and thus prepare for both advanced graduate study in the field and entry-level careers in entertainment design and production within the context of a comprehensive bachelor's theatre degree. ASU offers well-equipped theatrical facilities including:

- extensive and professionally staffed production shops
- fully equipped rehearsal and instructional spaces
- The Galvin Playhouse
- The Lyceum Theatre
- The Prism Theatre for student-production work

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students, both freshmen and transfers, are admitted to ASU as theatre exploratory majors. They successfully complete an interview and audition or portfolio review before enrolling as a BA theatre major. Students may interview before enrolling at ASU or participate in the interview during their first semester of study. Students who enter before interviewing take course work in the first semester to better prepare them for the interview. Interviews for admission into the BA theatre design and production concentration are conducted each semester and require a portfolio.

Direct transfer of courses from other accredited institutions to the Herberger Institute for Design and the Arts are subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 semester hours in resident credit at ASU. Transfer students enrolled in the college must complete a minimum of 15 semester hours of resident credit in the major as approved by the faculty.

Career Opportunities:

The bachelor's in theatre program provides an excellent broad-based foundation for work in the profession or readies students for further training at graduate schools or conservatories. The program's liberal arts emphasis prepares graduates for a variety of occupations. The design and production concentration offers students advanced study that can lead to careers as designers or technologists in the performing arts and the entertainment industry.

Contact Information:

Design & the Arts, Herberger Institute for
School of Film, Dance and Theatre
<http://theatreilm.asu.edu/>
GHALL 232
herbergeradvising@asu.edu
480-965-5337

Theory and Composition (Composition), BMUS (FAMUSTCBM)

Campus: TEMPE

Program Description:

The BMus in theory and composition with a concentration in composition focuses on developing techniques for writing music. The School of Music offers students the opportunity to study with theorists and composers who have established national and international reputations. This program may be used as the first step toward a master's or doctorate in music theory and composition.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Visit <http://music.asu.edu/admissions/undergrad/applying> (<http://music.asu.edu/admissions/undergrad/applying>) for details. Admission to the School of Music is based on an audition. Live auditions take place on-campus in November (spring admission), and January and February (fall admission) of each year. Review audition information at <http://music.asu.edu/admissions/auditions> (<http://music.asu.edu/admissions/auditions>).

Applicants are required to select a second choice major in addition to music. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. If admitted to ASU but not to the School of Music, the applicant will be placed in her/his second choice major. Students admitted to ASU in a non-music major may apply and audition to change to their major to music during their first semester at ASU. After the deadlines below, applicants should not select music as a major on the application for undergraduate admission.

Application Deadlines: Visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete music deadlines.

Submission of a prescreening portfolio is required for this program; an additional prescreening is required for all voice applicants: See

<http://music.asu.edu/admissions/prescreening> (<http://music.asu.edu/admissions/prescreening>).

Fall 2013: The deadline to apply for admission to the Bachelor of Music in composition is Dec. 1, 2012. An uploaded prescreening video is required for this program; an additional uploaded prescreening video is required for all applicants who wish to audition in voice:
<http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Spring 2014: The deadline to apply for admission to the Bachelor of Music in composition is Oct. 1, 2013. An uploaded prescreening video is required for this program; an additional uploaded prescreening video is required for all applicants who wish to audition in voice:
<http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Fall 2014: The deadline to apply for admission to the Bachelor of Music in composition is Dec. 1, 2013. An uploaded prescreening video is required for this program an additional uploaded prescreening video is required for all applicants who wish to audition in voice:
<http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Career Opportunities:

A degree in the arts offers students a pathway to a rich and varied choice of careers. This particular program is designed for a student who plans a career as a professional:

- arranger
- college-level teacher of theory and composition
- composer

College-level teaching does require a graduate degree.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-3371

Theory and Composition (Theory), BMUS (FAMUSTTBM)

Campus: TEMPE

Program Description:

The BMus in theory and composition with a concentration in theory focuses on the theoretical study of music. This program may be used as the first step toward a master's or doctorate in music theory and composition. The School of Music offers students the opportunity to study with theorists and composers who have established national and international reputations.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra OR MAT 119 OR MAT 142

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Important: Applicants must submit an ASU application for undergraduate admission in addition to a separate School of Music application. Visit
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<http://music.asu.edu/admissions/undergrad/applying> (<http://music.asu.edu/admissions/undergrad/applying>) for details. Admission to the School of Music is based on an audition. Live auditions take place on-campus in November (spring admission), and January and February (fall admission) of each year. Review audition information at <http://music.asu.edu/admissions/auditions> (<http://music.asu.edu/admissions/auditions>).

Applicants are required to select a second choice major in addition to music. Upon admission to both ASU and the School of Music, the applicant's major will be changed to music. If admitted to ASU but not to the School of Music, the applicant will be placed in her/his second choice major. Students admitted to ASU in a non-music major may apply and audition to change to their major to music during their first semester at ASU. After the deadlines below, applicants should not select music as a major on the application for undergraduate admission.

Application Deadlines: Visit <http://music.asu.edu/admissions/deadlines> (<http://music.asu.edu/admissions/deadlines>) for complete music deadlines. Prescreening is required for all voice applicants (<http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>)).

Fall 2013: The deadline to apply for admission to the Bachelor of Music in music theory is Dec. 1, 2012 for voice applicants, and Jan. 7, 2013 for instrumental and keyboard applicants. An uploaded prescreening video is required for all applicants who wish to audition in voice: <http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Spring 2014: The deadline to apply for admission to the Bachelor of Music in music theory is Oct. 1, 2013 for voice applicants, and Oct. 15, 2013 for instrumental and keyboard applicants. An uploaded prescreening video is required for all applicants who wish to audition in voice: <http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Fall 2014: The deadline to apply for admission to the Bachelor of Music in music theory is Dec. 1, 2013 for voice applicants, and Jan. 6, 2014 for instrumental and keyboard applicants. An uploaded prescreening video is required for all applicants who wish to audition in voice: <http://music.asu.edu/admissions/voice> (<http://music.asu.edu/admissions/voice>).

Transfer Applicants: Transfer of courses from other accredited institutions is subject to the existence of parallel and equal courses in the college's curriculum, and departmental or school evaluation of studio and class piano courses with respect to performance standards.

Every candidate for the bachelor's degree must earn a minimum of 30 credit hours in resident credit at ASU. Transfer students enrolled in the institute must complete a minimum of 15 resident credit hours in the major as approved by the faculty.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

A degree in the arts offers students a pathway to a rich and varied choice of careers. This particular program is designed for a student who plans a career as a professional:

- arranger
- college-level teacher of theory and composition
- composer
- theorist

College-level teaching does require a graduate degree.

Contact Information:

Design & the Arts, Herberger Institute for
School of Music
<http://music.asu.edu>
MUSIC E167
MusicAdmissions@asu.edu
480-965-3371

Engineering, Ira A. Fulton Schools of

Aeronautical Management Technology (Air Transportation Management), BS (TSAMTMBS)

Campus: POLY

Program Description:

The air transportation management concentration, under the BS in aeronautical management technology, provides students with a strong foundation of aviation concepts, including aviation law, policy and human factors as well as technical knowledge focusing on power plants,

structures and aerodynamics. Students will then progress into courses focusing on business and management and operational aspects of aviation such as airline administration and airport planning. All students will finish the program by participating in an internship within industry and completion of a capstone project. This program prepares students for leadership positions within airlines, airports, government, consulting and entrepreneurial enterprises.

This program is accredited by the Aviation Accreditation Board International (AABI).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

A degree in air transportation management prepares graduates for these careers:

- airline manager
- airline operations manager
- airport manager
- aviation consulting
- Fixed Based Operations (FBO)
- general aviation operations manager
- governmental positions with the Federal Aviation Administration, Department of Transportation, and National Transportation Safety Board
- entrepreneurial ventures

Contact Information:

Engineering, Ira A. Fulton Schools of

Aviation Programs

<http://innovation.asu.edu>

TECH 101

technology@asu.edu

480-727-1874

Aeronautical Management Technology (Professional Flight), BS (TSAMTFBS)

Campus: POLY

Program Description:

Students in the professional flight concentration learn to fly in an academic environment that prepares graduates for careers as professional pilots. Flight training is offered by an ASU-approved flight provider in late-model aircraft equipped with state-of-the-art avionics. Students may take advantage of pathway agreements for guaranteed interviews with regional airline companies.

Arizona's clear skies offer the best flying environment in the country. The Polytechnic campus is adjacent to Mesa Gateway Airport where flight instruction takes place. Students have access to state-of-the-art flight training devices, including a Level 5 regional jet flight simulation training device. Other facilities, like the high altitude simulation chamber, provide students with educational opportunities unique among collegiate aviation programs.

This program is for students who are seriously interested in becoming professional airline pilots. Graduates are prepared to assume responsibilities in a wide variety of technically related areas within professional aviation flight operations.

The Aviation Accreditation Board International accredits this program and the Federal Aviation Administration certifies flight and ground instruction.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: This major has additional admission requirements including Federal Aviation Administration requirements. Students will be admitted to the preprofessional status and then complete additional requirements for admission to the professional program. See <http://innovation.asu.edu/degrees-programs/human-environmental-systems/professional-flight-undergraduate> (<http://innovation.asu.edu/degrees-programs/human-environmental-systems/professional-flight-undergraduate>) for more information.

Career Opportunities:

The professional flight concentration offers students private pilot, commercial pilot and flight instructor certificates, as well as instrument pilot, instrument instructor and multiengine pilot ratings. With these flight qualifications and the technically based bachelor's, the graduate has a wide variety of career opportunities, including flight crew service on commercial and business aircraft.

Career opportunities include:

- airline pilot
- corporate pilot

Contact Information:

Engineering, Ira A. Fulton Schools of

Aviation Programs

<http://innovation.asu.edu/degrees-programs/human-environmental-systems/professional-flight-undergraduate>

TECH 101

technology@asu.edu

480-727-1874

Aeronautical Management Technology (Unmanned Aerial Systems), BS (TSAMTUASBS)

Campus: POLY

Program Description:

The unmanned aerial systems concentration prepares students for careers in the rapidly growing area of UAS, including operations, remote sensing, data collection and analysis. The concentration incorporates all aviation management technology core courses, as well as unmanned aerial systems concentration courses. This provides an overview of unmanned aerial systems operations followed by detailed knowledge of unmanned aerial systems-specific systems and technology (ground control stations, data links; flight planning and operations, search, detect and avoid technologies; and payloads) and unmanned aerial systems sensor operations. A critical aspect of this academic area of study is the data capture and transfer of the sensor information collected from the unmanned aerial vehicle. This innovative concentration brings together the most up-to-date and relevant aspects facing multiple industries today by addressing flight system planning and operations and the employment of the systems in the congested National Air Space.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)
Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Students graduating from this program will find various employment opportunities as unmanned aerial vehicle pilots and sensor operators in both the U.S. and worldwide. In 2015, the FAA will allow UAV to operate in the U.S. National Airspace System that will enable governmental and civilian entities to operate these vehicles for new endeavors or to replace current fixed- and rotor-craft operations. This concentration will prepare students to operate small to mid-range platforms that will be used by emergency responders, forestry, agriculture, energy and oil, and other similar industries. Entry-level pay is competitive for this highly specialized field.

Contact Information:

Engineering, Ira A. Fulton Schools of
Aviation Programs
<http://innovation.asu.edu/>
TECH 101
technology@asu.edu
480-727-1874

Aerospace Engineering (Aeronautics), BSE (ESAEROBSE)

Campus: TEMPE

Program Description:

The aerospace engineering curriculum provides students with an education in technological areas critical to the design and development of aerospace vehicles and systems. The aeronautics concentration, under the BSE in aerospace engineering, emphasizes engineering and the design of aircraft, helicopters, missiles and other vehicles that fly through the atmosphere. Topics in required courses cover:

- aerodynamics
- aerospace materials
- aircraft structures
- flight mechanics
- propulsion
- stability and control

Required astronautics topics include:

- attitude control
- orbital mechanics
- rocket propulsion

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org/>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Aerospace Engineering (MS)
Mechanical Engineering (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours:

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Career Opportunities:

A majority of students entering the field of aerospace engineering desire to work on the design and analysis of aerospace vehicles. Most graduates are employed in the aerospace industry or in government positions related to aerospace. Specific careers in aerospace engineering include:

- aeronautical and space systems integration
- configuration development
- material and structural design
- propulsion engineering
- space mission design and analysis
- vehicle and component analysis using computer-aided tools
- vehicle design and performance
- wind-tunnel and flight testing

The objectives of the aerospace engineering program are for graduates to be employed in aerospace engineering or a related field or accepted to graduate school. Our graduates will:

- be employed as engineers or will be enrolled in (or have graduated from) engineering or professional graduate school
- contribute to the design of solutions to complex problems
- demonstrate professionalism and will hold positions of increasing responsibility within their organizations

Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
<http://engineering.asu.edu/semte>
ECG 202
semte@asu.edu
480-965-2335

Aerospace Engineering (Astronautics), BSE (ESAEASBSE)

Campus: TEMPE

Program Description:

The aerospace engineering curriculum provides students with an education in technological areas critical to the design and development of aerospace vehicles and systems.

The astronautics curriculum covers:

- attitude determination and control
- elective topics in astronautics
- gas dynamics

- orbital mechanics
- rocket propulsion
- space environment
- space structures
- telecommunications

Students in the astronautics concentration culminate their major study with a capstone design project that incorporates the multiple disciplines involved in the creation of a space-going vehicle.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Aerospace Engineering (MS)
- Mechanical Engineering (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours:

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Career Opportunities:

A majority of students entering the field of aerospace engineering desire to work on the design and analysis of aerospace vehicles. Most graduates are employed in the aerospace industry or in government positions related to aerospace. Specific careers in aerospace engineering include:

- aeronautical and space systems integration
- configuration development
- material and structural design
- propulsion engineering
- space mission design and analysis

- vehicle and component analysis using computer-aided tools
- vehicle design and performance
- wind-tunnel and flight testing

The objectives of the aerospace engineering program are for graduates to be employed in aerospace engineering or a related field or accepted to graduate school. Our graduates will:

- be employed as engineers or will be enrolled in (or have graduated from) engineering or professional graduate school
- contribute to the design of solutions to complex problems
- demonstrate professionalism and will hold positions of increasing responsibility within their organizations

Contact Information:

Engineering, Ira A. Fulton Schools of
 Mechanical and Aerospace Engineering Program
<http://engineering.asu.edu/semte>
 ECG 202
semte@asu.edu
 480-965-2335

Aerospace Engineering (Autonomous Vehicle Systems), BSE (ESAEAVSBSE)

Campus: TEMPE

Program Description:

Emerging emphasis on autonomous aircraft technology and operations in both military and civilian sectors signals a new era within the aeronautical community focused on autonomous vehicles and systems. The autonomous vehicle concentration will provide graduates with knowledge and skills required for any career in aerospace engineering plus those specific to unmanned aerial vehicles and systems. The concentration curriculum is structured so that students will have general exposure to engineering of autonomous aircraft plus depth courses in one area important to this field. The depth areas, or tracks, are: guidance, navigation and control; and communications. Both tracks are intended for aerospace engineering students. All paths through this concentration satisfy accreditation criteria for aerospace engineering.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Aerospace Engineering (MS)

Mechanical Engineering (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours:

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Career Opportunities:

Students who earn a degree in this concentration will be prepared for a career in the aerospace industry, focusing on unmanned vehicles.

The objectives of the aerospace engineering program are for graduates to be employed in aerospace engineering or a related field or accepted to graduate school. Our graduates will:

- be employed as engineers or will be enrolled in (or have graduated from) engineering or professional graduate school
- contribute to the design of solutions to complex problems
- demonstrate professionalism and will hold positions of increasing responsibility within their organizations

Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
<http://engineering.asu.edu>
ECG 202
semte@asu.edu
480-965-2335

Air Traffic Management, BS (TSATMBS)

Campus: POLY

Program Description:

The air traffic management program provides a technical foundation in the air traffic control procedures used by air traffic controllers in air traffic control towers and air traffic control radar facilities. Students gain a strong background in aircraft operations, management skills and business principles through course work specific to air traffic control.

This is an intensive program of classroom study and laboratory practice using state-of-the-art air traffic control simulators to enhance and reinforce classroom study. Students develop the following skills:

- analytical thinking
- clear and concise communication
- problem solving
- teamwork

This program is accredited by the Aviation Accreditation Board International (AABI).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: This major has additional admission requirements including Federal Aviation Administration requirements. Students who do not have US citizenship status cannot be admitted to the program. Students will be admitted to the preprofessional status and then complete

additional requirements for admission to the professional program. See <http://innovation.asu.edu/degrees-programs/human-environmental-systems/air-traffic-management-undergraduate> (<http://innovation.asu.edu/degrees-programs/human-environmental-systems/air-traffic-management-undergraduate>) for more information.

Career Opportunities:

The Federal Aviation Administration's 2013 Controller Workforce Plan has projected that the Federal Aviation Administration plans to hire more than 6,200 new controllers over the next five years to keep pace with the expected attrition rate and traffic growth. The total number of planned hires for the period of 2013-2022 is 11,990 new controllers. Increases in the volume of air traffic will require more controllers to handle the additional work. New computerized systems will assist controllers by automatically making many of the routine decisions. This will allow controllers to handle more traffic, thus increasing their productivity.

To prepare for this challenge, students receive training in the methodologies and technologies that are currently being developed for the next generation of air traffic control systems. Despite the obvious demand for new controllers in the immediate future, competition to get into the FAA-approved training programs is expected to remain intense as there generally are many more applicants than there are openings. Graduates who have met all the FAA requirements will be considered for employment.

Contact Information:

Engineering, Ira A. Fulton Schools of

Aviation Programs

<http://innovation.asu.edu/degrees-programs/human-environmental-systems/air-traffic-management-undergraduate>

TECH 101

technology@asu.edu

480-727-1874

Applied Computer Science, BS (TSACSB)

Campus: POLY

Program Description:

The BS in applied computer science provides students with an education that targets the computing profession. Students will learn to use mathematics, science and economics, along with technological knowledge and skill in the application of programming languages and software processes, to design, analyze, implement and test software systems and applications. The program is problem and project based, utilizing the languages, tools and methods of computing best practices. Graduates gain significant exposure to team-based software development through industry-driven projects.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

The current demand for software and computer hardware personnel is high, and the starting salaries for these employees are typically well above the average. Graduates find opportunities as members of an engineering team in software applications areas such as:

- databases
- embedded systems
- game development
- graphics
- mobile systems

- networks
- security
- Web applications

Contact Information:

Engineering, Ira A. Fulton Schools of
 Software Engineering
<https://innovation.asu.edu>
 TECH 101
technology@asu.edu
 480-727-1874

Applied Science, BAS (TSAPSBAS)

Campus: POLY

Program Description:

The BAS program is a transfer pathway specifically for students who have earned a community college Associate of Applied Science degree. The goal of the program is to provide students with management, leadership, critical thinking and communication skills, along with significant work in a professional specialization. Students must complete an Associate of Applied Science (AAS) degree to be eligible for this program. AA and AS students are not eligible for this program.

This program allows students who have earned an Associate of Applied Science from a regionally accredited institution to transfer 60 or 75 credit hours toward a Bachelor of Applied Science at ASU. Students may opt to complete additional general studies course work at a community college to be eligible to transfer up to 75 credits toward the BAS. The BAS curriculum builds on the general education content of the AAS and includes four blocks of credits: general studies, core, concentration and assignable credits.

The ASU general studies requirements will be completed through upper-division course work. The BAS core curriculum includes content in management and organization, professional communication, statistical processes and computer competency. The concentration has a 20-semester hour minimum of specialization courses. The assignable credits (six semester hours) are traditional electives selected in consultation with an advisor to enhance the curriculum. Assignable credit also can be used to strengthen math and science capabilities or computer skills.

Students in the BAS program can select one of six specialty concentrations. Students who choose to create their own specialty should select the courses in conjunction with an advisor.

- aviation management technology
- electronic and energy systems
- graphic information technology
- Internet and Web development
- manufacturing technology and management
- operations management technology

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: ASC 315 - Numeracy in Technology

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available for freshmen.

Career Opportunities:

The wide range of concentrations provides graduates diverse career opportunities. Bachelor's program course work gives the graduate greater skills to be successful as a professional working in a technical area. Graduates have the ability to supervise and manage people in highly specialized technical and service industry positions.

Contact Information:

Engineering, Ira A. Fulton Schools of

Tech Innovation & Entrepr Mgmt

<http://innovation.asu.edu/degrees-programs/human-environmental-systems/applied-science-undergraduate>

TECH 101

technology@asu.edu

480-727-1874

Applied Science (Aviation Management Technology), BAS (TSAMTABAS)

Campus: POLY

Program Description:

The BAS program is a flexible, 60-credit-hour degree designed specifically for students who have earned an AAS from a regionally accredited institution.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. Not available for freshmen.

Career Opportunities:

The concentration in aviation management technology is for students who have received training and education in some aspect of the air transportation industry (other than aviation maintenance), such as flight certificates and ratings as part of their associate degree. Students receive an orientation in management practices that prepares them for advanced positions in the aviation management field.

Contact Information:

Engineering, Ira A. Fulton Schools of

Aviation Programs

<http://innovation.asu.edu>

TECH 101

technology@asu.edu

480-727-1874

Applied Science (Electronic Energy Systems), BAS (TSEESBAS)

Campus: POLY

Program Description:

The BAS program is a flexible degree designed specifically for students who have earned an AAS from a regionally accredited institution.

The electronic and energy systems concentration serves students with an electronics background via three paths or emphasis areas: alternative energy, electronic systems and integrated electronic systems (focused on the semiconductor industry).

The alternative energy technologies emphasis explores various alternative energy resources. This program provides hands-on laboratory experience on energy conversion and storage technologies, including photovoltaics, fuel cells, batteries, electrolyzers and supercapacitors.

The electronic systems emphasis allows students to continue to develop a knowledge of electrical and electronic fundamentals, with an applications perspective and a focus on the general topics of microcontrollers and advanced digital controllers and how these are used in industry.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available for freshmen.

Career Opportunities:

Graduates from the alternative energy emphasis are able to work in a number of different companies involved in alternative energy. These companies may be traditional energy production companies expanding into new production technologies or start-up companies involved in solar energy or fuel cells.

Graduates from the electronic systems emphasis are able to work as members of engineering teams in applied design, product development, manufacturing, production or operations. They may also be employed in technical services capacities, including field engineering, marketing or sales.

Contact Information:

Engineering, Ira A. Fulton Schools of

Engineering Programs

<http://innovation.asu.edu/>

TECH 101

technology@asu.edu

480-727-1874

Applied Science (Graphic Information Technology), BAS (TSGITBAS)

Campus: POLY

Program Description:

The BAS program is a flexible, 60-credit-hour degree designed specifically for students who have earned a relevant AAS from a regionally accredited institution.

This concentration in graphic information technology prepares graduates in the cross-media graphic industry that includes:

commercial photography and technical imaging

- internet and Web development

printing and digital publishing

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

Accelerated Degrees:

This degree is also offered as an accelerated degree with Graphic Information Technology (MSTech)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students applying to this program must have completed an Associate of Applied Science degree in computer graphic design, digital arts, digital photography, eLearning design specialist, game technology, graphic design, animation and web publishing design, graphic design: visual communication, information technology: web and graphic design, media arts: desktop publishing, media arts: web design, multimedia, multimedia and business technology, and video production technology.

Career Opportunities:

Graduates of the program, which combines technical course work with management content, are prepared to assume supervisory positions such as:

- art director
- client support specialist
- commercial photographer/videographer
- graphic designer
- production manager
- user interface designer
- Web designer

The website design option prepares graduates for careers in website design and development.

The digital publishing option prepares graduates for lead technical and entry-level management positions in print, imaging and digital publishing.

The digital media option prepares graduates for technical positions in industry implementing, planning and producing interactive communications.

Contact Information:

Engineering, Ira A. Fulton Schools of

Graphic Information Technology

<http://innovation.asu.edu>

TECH 101

technology@asu.edu

480-727-1874

Applied Science (Internet and Web Development), BAS (TSIWDBAS)

Campus: ONLNE, POLY

Program Description:

The BAS program is a flexible, 60-credit-hour degree designed specifically for students who have earned a relevant AAS from a regionally accredited institution.

The concentration in Web design and development focuses on the development of web sites, including user experience design, usability, multimedia design, emerging Web technologies, and cross-media and cross-platform graphic applications. All courses for this program are available online through ASU Online.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program
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(<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

Accelerated Degrees:

This degree is also offered as an accelerated degree with Graphic Information Technology (MSTech)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students applying to this program must have completed an Associate of Applied Science degree in web design, web development, media arts: digital animation, media arts: web design, web developer, web designer, web server administrator, and graphic design, animation and web publishing design.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-applied-science-internet-and-web-development>)

Career Opportunities:

This degree prepares graduates for careers in website design and Web publishing.

Contact Information:

Engineering, Ira A. Fulton Schools of

Graphic Information Technology

<http://innovation.asu.edu/>

TECH 101

technology@asu.edu

480-727-1874

Applied Science (Manufacturing Technology and Management), BAS (TSMETFBAS)

Campus: POLY

Program Description:

The BAS program is a flexible, 60-credit-hour degree designed specifically for students who have earned an AAS from a regionally accredited institution.

The manufacturing technology and management concentration provides a broad understanding of the complex world of manufacturing.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. Not available for freshmen.

Career Opportunities:

Typically, students who graduate with this bachelor's concentration work in manufacturing, production or operations.

Contact Information:

Engineering, Ira A. Fulton Schools of
Engineering Programs
<http://innovation.asu.edu/>
TECH 101
technology@asu.edu
480-727-1874

Applied Science (Operations Management), BAS (TSIMCOBAS)

Campus: EAC, ONLINE, POLY

Program Description:

The BAS in operations management prepares students for supervisory and management functions in industry, manufacturing, public service and other service organizations. Our students provide strategic focus to implement best practices, manage people and create value to meet organizational objectives.

The BAS program is a flexible, 60-credit-hour degree designed specifically for students who have earned an AAS from a regionally accredited institution.

Arizona State University and Eastern Arizona College have established a partnership that will allow students to complete their associate degree at EAC and then pursue this bachelor's degree through classes delivered on the EAC Thatcher campus. Visit <https://transfer.asu.edu/eac> (<https://transfer.asu.edu/eac>) for more information about ASU degrees offered at Eastern Arizona College Thatcher campus.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available for freshmen.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here. (<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-applied-science-operations-management-technology>)

Career Opportunities:

The bachelor's in operations management technology prepares undergraduate students for supervisory and management functions in industry, manufacturing, public service and other service organizations.

Contact Information:

Engineering, Ira A. Fulton Schools of
Tech Innovation & Entrepr Mgmt
<https://innovation.asu.edu>
TECH 101
technology@asu.edu
480-727-1874

Applied Science (Software and Computing Systems), BAS (TSCSTBAS)

Campus: POLY

Program Description:

The BAS program with a concentration in software and computing systems is a 60-credit-hour degree designed specifically for students who have earned an AAS from a regionally accredited institution in a computing area. Students are expected to have an AAS with course work in object-oriented programming, data structures, computer organization, and assembly language programming. to enroll in upper-division major courses. The program requires upper-division course work and laboratories, and culminates in a capstone senior project.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available for freshmen.

Career Opportunities:

The program exposes students to advanced concepts and critical thinking skills that prepare them for expanded career opportunities and professional advancement. Graduates from this concentration are prepared to work in systems administration and cybersecurity for Internet and telecommunication companies, a wide variety of information technology providers, and information technology centers within most midsize to large corporations. Demand for graduates with these skills continues to rise even while the job market in many other areas is stagnant or declining.

Contact Information:

Engineering, Ira A. Fulton Schools of
Software Engineering
<https://innovation.asu.edu>
TECH 101
technology@asu.edu
480-727-1874

Biomedical Engineering, BSE (ESBMEBSE)

Campus: TEMPE

Program Description:

Biomedical engineering applies principles of engineering to study and solve problems in biology and medicine.

Our goal is to produce high-quality graduates with broad-based education in biomedical engineering who are well prepared for careers in industry and further study in graduate, medical or other health professional schools.

Our graduates are trained to apply their skills in an ethical, sustainable and environmentally responsible manner to make contributions that address societal and individual needs.

Our objective is to prepare students:

- for productive employment, graduate study or professional programs, especially in human and animal medicine, biotechnology and related biology-based engineering fields
- who continue to develop technical knowledge, awareness and leadership abilities to address domestic or global issues in human health
- who will ethically and responsibly contribute to society, drawing from an integrated, multidisciplinary biomedical engineering education, focusing on sustainability and environmentalism

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with Biomedical Engineering (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 3.00 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Career Opportunities:

Biomedical engineers are primarily employed in:

- governmental regulatory agencies
- hospital and research facilities

- medical and educational institutions
- the medical device, biotechnology and pharmaceutical industries

In industry, they may work in all aspects of product development including:

- business development
- manufacturing
- marketing
- quality
- regulatory
- research and design
- sales

Because of their background in both the engineering and medical fields, they often serve a coordinating or interfacing function and provide a key role for interdisciplinary teams. Government positions may involve:

- evaluating new technologies
- product testing and safety
- setting standards

In the hospital, biomedical engineers serving in a clinical engineering function may provide advice on the selection and use of medical equipment and supervise performance testing and maintenance. Biomedical engineers may also build customized devices for special health care, rehabilitation or research needs.

Contact Information:

Engineering, Ira A. Fulton Schools of
Harrington Bioengineering Program
<http://sbhse.engineering.asu.edu/>
ECG 334
sbhse@asu.edu
480-965-3028

Chemical Engineering, BSE (ESCHEBSE)

Campus: TEMPE

Program Description:

Chemical engineering deals with the application of chemistry, physics and mathematics to the process of converting raw materials or chemicals into more useful or valuable forms. Chemical engineering also involves the design of valuable new materials and chemical products.

The BSE offered in the chemical engineering program builds on a broad base of knowledge within the basic and mathematical sciences and engineering, and it offers excellent career opportunities. Chemical engineers are engaged in the development and production of a diverse range of products, including high-performance materials needed for aerospace, automotive, biomedical, electronic, environmental and military applications. The modern discipline of chemical engineering is intertwined with biology and biomedical engineering.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with Chemical Engineering (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours:

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Career Opportunities:

Chemical engineers have traditionally played a key role in industries as varied as:

- artificial fibers
- ceramics
- food
- glass
- petrochemicals
- petroleum
- plastics
- primary metals
- specialty chemicals

Newer areas, such as semiconductors, biotechnology, biomedical engineering, modern materials (composites, superconductors) and the solution of environmental problems, have also generated more opportunities for chemical engineers. These factors, along with the recent recovery and reported record earnings of the chemical and petroleum industries, have created a great demand for chemical engineering graduates.

Contact Information:

Engineering, Ira A. Fulton Schools of
Chemical Engineering Program
<http://engineering.asu.edu/semte>
ECG 202
semte@asu.edu
480-965-2335

Civil Engineering, BSE (ESCEEBSE)

Campus: TEMPE

Program Description:

Civil engineering majors in the Ira A. Fulton Schools of Engineering have three choices within the accredited BSE program:

- civil engineering
- civil engineering with environmental engineering concentration
- civil engineering with sustainable engineering concentration

The first choice allows students to choose among design and technical elective courses in their senior year. The other choices specify design and technical courses to students with minimal choices. Regardless of choice, the Bachelor of Science in Engineering in civil engineering is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

Civil engineering involves the analysis, planning, design, construction, maintenance and application of sustainable practices in all areas of urban infrastructure for government, commerce, industry and the public domain. These include:

- airports
- bridges
- canals
- dams
- factories
- office towers
- roadway systems
- schools
- tunnels and subway systems
- water purification facilities

Civil engineers are concerned with the impact their projects have on the public and the environment; they coordinate the needs of society with technical and economic feasibility.

The curriculum exposes students to the following areas of civil engineering, with a strong emphasis on sustainability:

- construction engineering
- environmental engineering
- geotechnical engineering
- hydrosystems engineering
- structures
- transportation

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Civil, Environmental and Sustainable Engineering (MSE)

Civil, Environmental, and Sustainable Engineering (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25

percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Career Opportunities:

ASU graduates with a bachelor's degree in civil engineering readily find employment. Civil engineers work in many different types of companies, from large corporations to small, private consulting firms or governmental agencies. A civil engineering background is an excellent foundation for jobs in management and public service. Civil engineering is one of the best engineering professions from the viewpoint of international travel opportunities or for eventually establishing one's own consulting business. The bachelor's prepares graduates for the fundamentals of engineering examination, the professional engineering examination and graduate degrees.

Contact Information:

Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
<http://ssebe.engineering.asu.edu/prospective-students/civil.html>
ECG 251
sebe.advising@asu.edu
480-965-0595

Civil Engineering (Environmental Engineering), BSE (ESCEEEBSE)

Campus: TEMPE

Program Description:

Civil engineering majors have three choices within the accredited BSE program:

- civil engineering
- civil engineering with environmental engineering concentration
- civil engineering with sustainable engineering concentration

The first choice allows students to choose among design and technical elective courses in their senior year. The other choices specify design and technical courses to students with minimal choices. Regardless of choice, the Bachelor of Science in Engineering in civil engineering is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

The bachelor's in civil engineering, with a concentration in environmental engineering, is a multidisciplinary field based on traditional civil engineering principles, chemistry, biology and geology. Environmental engineers are involved with:

- air pollution technology
- analysis of the fate and transport of pollutants
- application of sustainable practices in all areas of urban infrastructure
- construction of hazardous waste containment systems
- design and operation of water and wastewater treatment systems
- remediation of contaminated soils and waters
- surface water quality management
- water conservation and reuse

The curriculum also exposes students to other traditional civil engineering areas.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Civil, Environmental and Sustainable Engineering (MSE)
- Civil, Environmental, and Sustainable Engineering (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Career Opportunities:

ASU graduates with a bachelor's in civil engineering with a concentration in environmental engineering find employment in:

- consulting firms
- industry
- municipalities
- regulatory agencies

The growth of environmental engineering positions has been balanced by the growing number of students entering the field, resulting in a stable job market.

A civil engineering background is an excellent foundation for jobs in management and public service. International opportunities are abundant and are likely to expand. The bachelor's in civil engineering prepares graduates for the fundamentals of engineering examination, the professional engineering examination and graduate degrees.

Contact Information:

Engineering, Ira A. Fulton Schools of

Civil, Environmental and Sustainable Eng Program

<http://ssebe.engineering.asu.edu/prospective-students/civil.html>

ECG 251

sebe.advising@asu.edu

480-965-0595

Civil Engineering (Sustainable Engineering), BSE (ESCEESUBSE)

Campus: TEMPE

Program Description:

Civil engineering majors have three choices within the accredited BSE program:

- civil engineering
- civil engineering with environmental engineering concentration
- civil engineering with sustainable engineering concentration

The first choice allows students to choose among design and technical elective courses in their senior year. The other choices specify design and technical courses to students with minimal choices. Regardless of choice, the Bachelor of Science in Engineering in civil engineering is accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

The bachelor's in civil engineering with a concentration in sustainable engineering incorporates systems modeling and life cycle approaches to assessing the resiliency and material selection across all areas of urban infrastructure, or built environment, currently addressed within the civil engineering degree. The program is designed to provide students with exposure to material from several disciplines that comply with the principles of economic, social and ecological sustainability and apply them to traditional civil engineering areas.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Civil, Environmental and Sustainable Engineering (MSE)

Civil, Environmental, and Sustainable Engineering (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Career Opportunities:

Many jobs are currently available that are applicable to the civil engineers with sustainable engineering concentration in different types of companies, from large corporations to small, private consulting firms or governmental agencies. Civil engineering is one of the best engineering professions from the viewpoint of international travel opportunities or for eventually establishing one's own consulting business. The bachelor's in civil engineering prepares graduates for the fundamentals of engineering examination, the principles and practice of engineering examination and graduate degrees.

Contact Information:

Engineering, Ira A. Fulton Schools of
Civil, Environmental and Sustainable Eng Program
<http://ssebe.engineering.asu.edu/prospective-students/civil.html>
ECG 251
sebe.advising@asu.edu
480-965-0595

Computer Science, BS (ESCSEBS)

Campus: TEMPE

Program Description:

Computer science professionals design, analyze and improve the quality of computer software and systems for a variety of applications, including:

- artificial intelligence
- computer vision
- graphics
- information management
- multimedia
- networking
- security

Examples of projects a computer scientist might work on include:

- computer networking
- database and information systems
- distribution processing systems
- gaming systems
- next-generation computing systems
- search engines
- software engineering
- web services

The program focuses on the design of computers, computational processes for problem solving, and information transfer and transformation with an emphasis on improving software and system quality, security, performance and usability. The program supports the evolution of the computing and informatics disciplines, the integration of computer and information sciences with engineering, science and other disciplines.

Accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Computer Science (Art, Media and Eng) (MS)
- Computer Science (Big Data Systems)
- Computer Science (Biomedical Informatics)(MS)
- Computer Science (Information Assurance) (MS)
- Computer Science (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Computer science graduates secure employment in a variety of capacities ranging from computer and software design to development of information technologies. Their jobs are often distinguished by the high level of theoretical expertise applied to solving complex problems and to the creation and application of new computing technologies. Some computer science-related jobs may include:

- creating computer games and graphics systems
- designing artificial intelligence systems
- developing network security applications
- discovering data management and mining solutions for large scale data analytics
- inventing and implementing more efficient computing systems for managing data and information, including information retrieval and search on the Internet

With the theoretical foundation built into the program, computer science graduates can excel in system and software development as well as in

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designing effective computing solutions for emerging and challenging problems in modern society. Skills in system development and research can lead to entrepreneurial activity that produces innovative computing products and services.

Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
<http://cidse.engineering.asu.edu/>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Computer Science (Information Assurance), BS (ESCSEIBS)

Campus: TEMPE

Program Description:

The BS in computer science with a concentration in information assurance provides students with the knowledge, skills and advanced development capability needed to build dependable and secure information systems and networks, and to ensure the integrity and quality of information being stored, processed and transmitted.

ASU has been certified as a National Center of Academic Excellence in Information Assurance Education and a National Center of Academic Excellence in Information Assurance - Research by the National Security Agency and the Department of Homeland Security. Information assurance courseware at ASU has been certified by the Information Assurance Courseware Evaluation Program to satisfy the standards for Information Systems Security Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012). For more information on information assurance courseware at ASU, see <http://ia.asu.edu/education.php> (<http://ia.asu.edu/education.php>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Computer Science (Art, Media and Eng) (MS)
- Computer Science (Big Data Systems)
- Computer Science (Biomedical Informatics)(MS)
- Computer Science (Information Assurance) (MS)
- Computer Science (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and

- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Students enrolled in the information assurance concentration are eligible for federal fellowships, such as the Department of Defense Information Assurance Scholarship Program and the Federal Cyber Service Scholarship for Service Program. For more information on the scholarship programs, see <http://ia.asu.edu/scholarship.php> (<http://ia.asu.edu/scholarship.php>).

Graduates with a degree in computer science with an information assurance concentration find employment in a variety of capacities ranging from computer system and software development to research on information assurance technologies. Some related jobs may include:

- analyzing computer forensic data
- designing secure information systems and databases
- developing secure software
- information security consulting
- secure computer and network applications

Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
<http://cidse.engineering.asu.edu/>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Computer Science (Software Engineering), BS (ESCSESBS)

Campus: TEMPE

Program Description:

The software engineering concentration is appropriate for computer science students seeking careers as software engineers. Students will learn advanced processes, methodologies and tools for developing and testing large and small software applications in emerging areas such as:

- enterprise systems
- service-orientated computing
- interoperable systems

They will also learn information assurance concepts and techniques, or principles of human computer interaction and methods, for developing these applications. The curriculum prepares students to assume leadership roles in software development organizations and to practice professional standards and emerging software technology to the software engineering life-cycle activities.

Accredited by the Computing Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Computer Science (Art, Media and Eng) (MS)
- Computer Science (Big Data Systems)
- Computer Science (Biomedical Informatics)(MS)
- Computer Science (Information Assurance) (MS)
- Computer Science (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Career opportunities are strong and numerous for software engineering concentration graduates. Graduates possess the knowledge and skills to work across the spectrum of software development process activities including:

- architecture
- coding
- project management
- quality assurance
- requirements engineering
- testing

Career paths include:

- software analyst
- software architect
- software engineer
- software task leader
- software tester

Software engineering concentration graduates find employment in large and small organizations that develop, deploy and manage software systems. They work on all types of projects from large, complex engineering systems, distributed banking, financial and government software to gaming.

Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
<http://cidse.engineering.asu.edu/>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Computer Systems (Computer Hardware Technology), BS (TSCSTHBS)

Campus: POLY

Program Description:

The computer hardware technology concentration, under the BS in computer systems, offers students the opportunity to develop knowledge and skills in the broad area of digital systems, computer hardware and computer network applications. Current computing industry needs drive the program's curriculum. The computer systems program uses mathematics, science and economics along with technological knowledge and skill in the application of programming languages, computer hardware, operating systems and networking to design, analyze, implement and test systems that integrate hardware and low-level software. The program is problem-based with exercises utilizing the languages, tools and methods of computing best practices.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates find employment opportunities as members of engineering teams working in computer hardware technology, systems development and system analysis. The current demand for highly trained software and computer hardware personnel is high, and the starting salaries for these employees are typically well above the average.

Contact Information:

Engineering, Ira A. Fulton Schools of
Software Engineering
<http://innovation.asu.edu>
TECH 101
technology@asu.edu
480-727-1874

Computer Systems (Embedded Systems Technology), BS (TSCSTMBS)

Campus: POLY

Program Description:

The embedded systems technology concentration, under the BS in computer systems, provides students with an opportunity to develop knowledge and skills in the broad area of digital systems, computer hardware and computer network applications. Current computing industry needs drive the program's curriculum. The computer systems program uses mathematics, science and economics along with technological knowledge and skill in the application of programming languages, computer hardware, operating systems and networking to design, analyze, implement and test systems that integrate hardware and low-level software. The program is problem-based with exercises utilizing the languages, tools and methods of computing best practices.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates find employment opportunities as members of engineering teams working in computer embedded systems technology, systems development and system analysis. The current demand for highly trained software and computer hardware personnel is high, and the starting salaries for these employees are typically well above the average.

Contact Information:

Engineering, Ira A. Fulton Schools of

Software Engineering

<http://innovation.asu.edu>

TECH 101

technology@asu.edu

480-727-1874

Computer Systems Engineering, BSE (ESCSEBSE)

Campus: TEMPE

Program Description:

The computer systems engineering program focuses on the analysis, design, testing, integration and evaluation of hardware and software systems. The curriculum is grounded in many engineering disciplines, including the applications of science and technology to the design of:

- computer architecture
- computer security
- digital circuits
- distributed and embedded systems
- networking
- operating systems

Students engage in the design of integrated hardware and software solutions for computing, communication and control applications. They practice many aspects of engineering activities, such as the development of:

- computer networks
- embedded and ubiquitous systems
- high performance computer systems
- individual digital components

Students become skilled at interfacing different pieces of hardware and software components, and integrating systems and products with new capabilities and improved quality and performance.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Computer Science (Art, Media and Eng) (MS)
- Computer Science (Big Data Systems)
- Computer Science (Biomedical Informatics)(MS)
- Computer Science (Information Assurance) (MS)
- Computer Science (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Career Opportunities:

Computer systems engineers are employed in industry, government, education and consulting firms where they engage in the design, development and operation of hardware and software systems of computer and networking equipment.

Computer systems engineers often find themselves focusing on engineering problems or challenges of emerging computer systems, from chips to device controllers, embedded systems and high performance computing servers. Their jobs usually involve the research, design and development of computer hardware and software for practical applications. Their work can result in innovative, state-of-the-art products that integrate computing and communication capabilities, such as those in:

- avionics and space vehicles
- digital television and photography
- intelligent highways and control systems for vehicles
- mobile devices and smart applications
- new apparatuses for health care and for the sight-impaired or others with physical disabilities
- security and defense systems

Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
<http://cidse.engineering.asu.edu/>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Computer Systems Engineering (Information Assurance), BSE (ESCSEIBSE)

Campus: TEMPE

Program Description:

The information assurance concentration in the computer systems engineering BSE degree program provides students with the knowledge, skills and advanced development capability needed to build dependable and secure information systems and networks, and to ensure the integrity and quality of the information being stored, processed and transmitted.

ASU has been certified as a National Center of Academic Excellence in Information Assurance Education (CAEIAE) and a National Center of Academic Excellence in Information Assurance - Research (CAE-R) by the National Security Agency and the Department of Homeland Security. Information assurance courseware at ASU has been certified by the Information Assurance Courseware Evaluation (IACE) Program to satisfy the standards for Information Systems Security (INFOSEC) Professionals (NSTISSI 4011) and Senior Systems Managers (CNSSI 4012). For more information on information assurance courseware at ASU, see <http://ia.asu.edu/education.php> (<http://ia.asu.edu/education.php>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Computer Science (Art, Media and Eng) (MS)
- Computer Science (Big Data Systems)
- Computer Science (Biomedical Informatics)(MS)
- Computer Science (Information Assurance) (MS)
- Computer Science (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Career Opportunities:

Students enrolled in the information assurance concentration are eligible for federal fellowships such as the Department of Defense Information Assurance Scholarship Program (IASP) and the Federal Cyber Service Scholarship for Service Program (SFS). For more information on the scholarship programs, see <http://ia.asu.edu/scholarship.php> (<http://ia.asu.edu/scholarship.php>).

Graduates with a degree in computer systems engineering with an information assurance concentration find employment in a variety of capacities ranging from computer system and software development to research on information assurance technologies. Some related jobs may include:

- analyzing computer forensic data
- designing secure information systems and networks
- information security consulting
- information systems security engineering
- network security engineering

Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
<http://cidse.engineering.asu.edu/>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Construction Engineering, BSE (ESCONBSE)

Campus: TEMPE

Program Description:

The BSE in construction engineering focuses on a combination of design and management topics, preparing the student for a career in the engineering and construction industry. The degree prepares students who wish to gain a professional engineering license while working at the interface of design and construction; it is desirable to those students who are interested in a career emphasizing construction of infrastructure. The degree makeup includes engineering design and construction management courses with a focus on sustainability and building information modeling topics. Construction management content includes:

- construction methods
- contract management

- cost and schedule control
- people management
- project estimating

The curriculum's design content includes structures, geotechnical engineering and transportation. Students are further prepared with the computer, management, technical and people skills needed to succeed. This degree is the third in the Southwestern U.S. and one of about 20 worldwide.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with Construction Engineering (MSE)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer student with 24 or more transferable college credit hours must meet EITHER the primary OR secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Career Opportunities:

The construction engineering graduate will be prepared to begin as a field engineer, project engineer or project designer working for:

- construction companies
- design firms
- facility owners
- material suppliers
- specialty subcontractors

The graduate will have unique skills which will allow them to take on the role of integrator in the delivery of design-build projects or development activities. As the graduate's career progresses, they should be able to take on leadership roles in the delivery of sustainable facilities in the built environment and then progress through successively higher levels of management responsibility. The graduate should be particularly attuned to design and construction of heavy civil and industrial facilities meeting the infrastructure needs of society.

Contact Information:

Engineering, Ira A. Fulton Schools of
Del E. Webb Construction
<http://ssebe.engineering.asu.edu/prospective-students/constengineering.html>
ECG 251
sebe.advising@asu.edu
480-965-0595

Construction Management, BS (ESCONMGTBBS)

Campus: TEMPE

Program Description:

The BS in construction management allows students to specialize in heavy construction, residential, commercial, specialty construction and facility management. Students learn to organize, lead and manage the building construction business processes related to real estate, facility and infrastructure projects. Construction management is the most vital function on a job site. Construction managers represent the interests of the building owner or the contractor and interact with architects, engineers, subcontractors, vendors and suppliers to ensure the success of the construction projects in the built environment. This degree focuses on the technology of construction, building information modeling and safety.

Students learn:

- the basics of design
- the construction methods specific to each type of construction (heavy, residential, commercial, specialty)
- how to estimate, schedule and control the costs of a project
- what it takes to manage the people involved and the various types of contracts
- the process of sustainable or green construction

Students are prepared with the computer, management, technical and people skills needed to succeed. This is one of two construction programs in the state of Arizona and one of approximately 80 accredited programs in the nation.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Accelerated Degrees:

This degree is also offered as an accelerated degree with Construction Management (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25

percent of high school class, and

- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The construction management program provides a foundation for students who wish to pursue careers as estimators, project managers, project engineers or schedulers and eventually become principals of firms engaged in the construction of industrial, commercial and institutional structures and infrastructure systems. The heavy construction emphasis area prepares students for careers related to public works such as highways, airports, bridges, utility systems and water or waste treatment facilities.

The commercial and residential emphasis areas prepare students for careers in real estate development, home production systems, commercial construction, health care and special industrial building projects. Students are also prepared to enter the sustainable or green construction market.

The specialty construction emphasis prepares students to organize, lead and manage the building process at the subcontractor level and prepares students for careers as contractors working with mechanical and electrical systems. It also prepares students for careers in management at specialty contracting firms, such as control systems, electrical distribution or heating, ventilation and air conditioning systems for large and complex facilities such as data centers, health care organizations and semiconductor manufacturing plants as well as commercial facilities.

Contact Information:

Engineering, Ira A. Fulton Schools of
Del E. Webb Construction
<http://ssebe.engineering.asu.edu/>
ECG 251
sebe.advising@asu.edu
480-965-0595

Construction Management (Concrete Industry Management), BS (ESCONIMBS)

Campus: TEMPE

Program Description:

The Del E. Webb School of Construction offers the BS in construction with a concentration in concrete industry management. Concrete industry management graduates are broadly educated, articulate managers grounded in basic construction management, who are knowledgeable about concrete technology and techniques, and are able to manage people and systems and to promote products or services in the concrete industry.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)
International (<https://students.asu.edu/international/future>)
Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Career Opportunities:

The concrete industry management concentration provides a foundation for students who wish to pursue careers as project managers, estimators, schedulers or a combination of all three at an executive level. Concrete industry management career opportunities include:

- advanced mixing technology or equipment manufacturing
- cement
- concrete or general contracting
- concrete production
- development
- field sales
- operations
- project and production management
- technical service

Contact Information:

Engineering, Ira A. Fulton Schools of
Del E. Webb Construction
<http://ssebe.engineering.asu.edu/prospective-students/construction-management.html>
ECG 251
sebe.advising@asu.edu
480-965-0595

Electrical Engineering, BSE (ESEEEBSE)

Campus: ONLNE, TEMPE

Program Description:

The goal of the electrical engineering undergraduate program is to prepare graduates for positions as electrical engineers. Faculty in the Ira A. Fulton Schools of Engineering offer a BSE in electrical engineering. Following initial course work in mathematics and sciences, the foundation

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classes build a solid base of engineering knowledge. The electrical engineering curriculum includes a number of required upper-division electrical engineering and technical elective courses; areas include:

- circuits
- communication, signal processing and control systems
- computer engineering
- electromagnetics
- power
- solid-state devices

Approved technical elective courses provide students with an opportunity either to broaden their background in electrical engineering or to study, in greater depth, technical subjects in which they have special interest.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with Electrical Engineering (MSE)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Career Opportunities:

Graduates with the bachelor's in electrical engineering find many exciting opportunities in industry. These include:

- communication equipment and network providers
- computer and peripheral device manufacturers and defense organizations
- consulting companies
- electric power utilities
- semiconductor chip designers and manufacturers

The program also prepares graduates for continued learning experiences, either in a formal graduate program or in continuing education applications.

Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
<http://ecee.engineering.asu.edu/>
GWC 209
askee@asu.edu
480-965-3424

Electrical Engineering (Electric Power and Energy Systems), BSE (ESEEEPBSE)

Campus: TEMPE

Program Description:

The goal of the electric power and energy systems concentration is to prepare graduates for positions in industries dealing with generation, transmission and utilization of electric power. Generation includes conventional power generation (fossil fuel and nuclear) and alternative energy systems, including solar, wind and fuel cells.

Students in this concentration will complete the foundation courses in math, science and engineering. They are then required to take the pathway course in electric power and complete nine of the 15 technical elective credit hours with power classes. In addition, the senior design capstone project should be in the area of electric power and energy systems.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- Academic Catalog Archive 2014-2015 990

- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Career Opportunities:

Career opportunities for graduates with a concentration in electric power and energy systems include:

- consulting engineering firms
- employment in utility companies
- entrepreneurial opportunities
- power equipment manufacturers
- research and design organizations
- state, federal and municipal agencies

This concentration will also prepare students to pursue graduate degrees in the areas of:

- power generation
- power systems
- power transmission and distribution
- renewable and sustainable energy sources

The program also prepares graduates for continued learning experiences, either in a formal graduate program or in continuing education applications.

Contact Information:

Engineering, Ira A. Fulton Schools of
Electrical Engineering Program
<http://ecee.engineering.asu.edu/>
GWC 209
askee@asu.edu
480-965-3424

Electronics Engineering Technology (Alternative Energy Technologies), BS (TSEETABS)

Campus: POLY

Program Description:

The curriculum of the BS program in electronics engineering technology serves the needs of students interested in applied aspects of electronics technology. The electronics engineering technology program has a practice-based approach and uses laboratories to make electronics technology real to students. Major components of the program include:

- design
- electronics-related technical courses
- engineering science
- general education
- science and mathematics

The alternative energy technologies concentration explores the demands of energy resources in the new economy. This program strives to educate individuals in the use of energy sources such as solar, wind, ocean, geothermal and biomass. This program provides hands-on laboratory experience on several energy conversion and storage technologies including photovoltaics, fuel cells, batteries, electrolyzers and supercapacitors.

This program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).
Academic Catalog Archive 2014-2015 991

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates have an understanding of energy and power technology, the contribution of materials and components to the performance of electronic systems, and how to exploit the power of integrated electronics to enhance productivity and technology solutions. The alternative energy technologies concentration is aimed at preparing graduates for careers in alternative energy as related to electric power conditioning, control systems, electronics and instrumentation. The specific positions might include:

- application interface
- environmental and reliability analysis
- policy analysis
- process control
- system design
- technology analysis

Contact Information:

Engineering, Ira A. Fulton Schools of

Engineering Programs

<https://technology.asu.edu/>

TECH 101

technology@asu.edu

480-727-1874

Electronics Engineering Technology (Electronic Systems), BS (TSEETBS)

Campus: POLY

Program Description:

The curriculum of the BS electronics engineering technology degree serves the needs of students interested in applied aspects of electronics technology. The electronics engineering technology program has a practice-based approach and uses laboratories to make electronics technology real to students. Major components of the program include:

- design
- electronics-related technical courses
- engineering science
- general education
- science and mathematics

The field of electronics engineering technology applies mathematics, science and economics, along with state-of-the-art electronics techniques, materials and devices to solve technological problems and to produce useful products. The concentration in electronic systems, under the BS in electronics engineering technology, allows students to develop a broad-based knowledge of electrical and electronic fundamentals with an applications perspective.

This program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates have an understanding of energy and power technology, the contribution of materials and components to the performance of electronic systems, and how to exploit the power of integrated electronics to enhance productivity and technology solutions. The electronic systems concentration prepares persons for careers in:

- control applications
- electronics applications
- instrumentation applications
- power systems applications

Engineering technologists typically work as members of engineering teams in:

- applied design
- manufacturing
- operations
- product development
- production

They may also be employed in technical services capacities, including:

- field engineering
- marketing
- sales

Contact Information:

Engineering, Ira A. Fulton Schools of

Engineering Programs

<https://technology.asu.edu/index.php?q=engrtech>

TECH 101

technology@asu.edu

480-727-1874

Electronics Engineering Technology (Integrated Electronic Systems), BS (TSEETINBS)

Campus: POLY

Program Description:

The curriculum of the BS electronics engineering technology degree serves the needs of students interested in applied aspects of electronics technology. The electronics engineering technology program has a practice-based approach and uses laboratories to make electronics technology real to students. Major components of the program include:

- design
- electronics-related technical courses
- engineering science

- general education
- science and mathematics

The integrated electronic systems concentration explores the processes and technology used to develop, design, manufacture and exploit integrated electronic functions on silicon, in packages and on boards. The program provides hands-on laboratory experience in integrated circuit device fabrication and manufacturing in a setting that emulates industry.

This program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates have an understanding of energy and power technology, the contribution of materials and components to the performance of electronic systems, and how to exploit the power of integrated electronics to enhance productivity and technology solutions. Upon completion of this concentration, graduates are prepared for careers in microelectronics industry. Graduates secure positions in:

- diverse scientific engineering teams
- field applications
- integrated circuit processing
- system integrators
- testing

Contact Information:

Engineering, Ira A. Fulton Schools of

Engineering Programs

<https://technology.asu.edu/>

TECH 101

technology@asu.edu

480-727-1874

Engineering, BSE (TSEGRBSE)

Campus: POLY

Program Description:

Engineers are creative problem-solvers who help shape the future. No profession unleashes the spirit of innovation like engineering, and the ABET-accredited BSE engineering program prepares graduates to:

- collaborate across disciplines to design and build solutions to real world problems
- design innovative products
- improve the quality of life for humankind
- provide technological leadership

In the BSE program, students apply engineering fundamental knowledge and design thinking to real projects every semester. Students choose a disciplinary focus where they develop in-depth knowledge in a specific area. This flexibility allows students to tailor their education to achieve their individual career and life goals.

Students can choose to focus in the following areas:

- automotive systems engineering
- electrical systems
- environmental systems
- humanitarian engineering
- mechanical systems engineering
- robotics

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities:

Engineers collaborate on interdisciplinary teams to design, manufacture and deliver innovative technological products and services. The bachelor's program enables students to develop not only sophisticated engineering technical skills but also the important professional skills of communication, teamwork and collaboration, and the adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies, small businesses, as well as to go on to graduate school to pursue advanced degrees. Due to the emphasis on design and project-based learning, the program supports an entrepreneurial spirit, and some students start companies of their own.

Contact Information:

Engineering, Ira A. Fulton Schools of

Engineering Programs

<http://innovation.asu.edu/degrees-programs/engineering-computing-systems/engineering-undergraduate>

TECH 101

technology@asu.edu

480-727-1874

Engineering (Automotive Systems), BSE (TSEGRASBSE)

Campus: POLY

Program Description:

The BSE in engineering within the Polytechnic School is a multidisciplinary engineering program with concentrations in automotive systems, mechanical systems, electrical systems and robotics. Students take concentration or emphasis-area courses in their junior and senior years. The program allows students to learn in a problem-focused curriculum with hands-on projects. Additionally, the program integrates the development of applied industry skills. The automotive concentration addresses vehicle design. In the junior and senior years, students will take courses in automotive systems and mechanical and electrical engineering topics. The curriculum focuses on automotive engineering fundamentals, including powertrain engineering and chassis system design, as well as hands-on projects that involve designing, analyzing and building of actual automotive systems. The bachelor's graduate with an automotive systems concentration will be able to provide leadership in automotive engineering settings, especially automotive testing and hybrid propulsion systems, which are intrinsically multidisciplinary in nature.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates from the automotive concentration are prepared for employment in automotive-related companies, from large original equipment manufacturing companies and their testing grounds to smaller specialty or aftermarket companies.

Since this is a concentration in the BSE in engineering program, graduates also will have opportunities to perform functions that have traditionally been done by mechanical, manufacturing, automation and development engineers.

Contact Information:

Engineering, Ira A. Fulton Schools of

Engineering Programs

<http://innovation.asu.edu/degrees-programs/engineering-computing-systems/engineering-undergraduate>

TECH 101

technology@asu.edu

480-727-1874

Engineering (Electrical Systems), BSE (TSEGRESBSE)

Campus: POLY

Program Description:

Engineers are creative problem-solvers who help shape the future. No profession unleashes the spirit of innovation like engineering, and the ABET-accredited BSE engineering program prepares graduates to:

- collaborate across disciplines to design and build solutions to real world problems
- design innovative products
- improve the quality of life for humankind
- provide technological leadership

In the BSE program, students apply engineering fundamental knowledge and design thinking to real projects every semester. The student with an electrical systems concentration will be able to contribute electrical subject matter expertise in multidisciplinary engineering teams. Students build a broad foundation of engineering fundamentals in the freshman and sophomore years. In the junior and senior years, students add specialized electrical expertise to this foundation, including theory and application of sensors, actuators, microcontrollers and microprocessors, power sources and board level implementations of such systems.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> ([http://www.abet.org" target="_blank](http://www.abet.org)).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I The program also requires: MAT 266, MAT 267, MAT 275, MAT 343 for a total of 15 mathematics credits.

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with Engineering MS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities:

Engineers collaborate on interdisciplinary teams to design, manufacture and deliver innovative technological products and services. The bachelor's program enables students to develop not only sophisticated engineering technical skills but also the important professional skills of communication, teamwork and collaboration, and the adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies, small businesses, as well as to go on to graduate school to pursue advanced degrees. Due to the emphasis on design and project-based learning, the program supports an entrepreneurial spirit, and some students start companies of their own.

Engineers with electrical expertise are in high demand in many industry sectors, especially manufacturing, utilities, communications and defense systems. However, electronic systems also pervade the service sectors such as health care, finance, education and entertainment. Graduates from this program have the broad base of technical knowledge and operational skills that make them invaluable members of multidisciplinary engineering teams, well suited for employment across the whole spectrum of applications.

Contact Information:

Engineering, Ira A. Fulton Schools of

Engineering Programs

<http://innovation.asu.edu/degrees-programs/engineering-computing-systems/engineering-undergraduate>

TECH 101

technology@asu.edu

480-727-1874

Engineering (Humanitarian Engineering), BSE (TSEGRHEBSE)

Campus: POLY

Program Description:

The BSE engineering program at the Polytechnic campus is a multidisciplinary engineering program with multiple concentrations or emphasis areas. The program allows students to learn from a problem-focused curriculum and with hands-on projects. Additionally, development of applied industry skills are integrated into the program. In the junior and senior years, students will take courses in water and energy systems as well as work with ASU's Global Resolve organization to adapt these systems to local and developing world needs. Graduates of the bachelor's program with a humanitarian engineering concentration will be positioned to work on multidisciplinary teams addressing vital engineering needs of communities in the developing world. They will have real-world experience with the challenges and opportunities inherent in this environment and be able to make an impact by improving people's lives by solving real problems.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

The humanitarian engineering concentration prepares students for graduate school in civil engineering, sustainability, and development or for careers in general engineering applications; disaster relief and aid; and nongovernmental organization development work both in the U.S. or globally.

Contact Information:

Engineering, Ira A. Fulton Schools of

Engineering Programs

<http://innovation.asu.edu/degrees-programs/engineering-computing-systems/engineering-undergraduate>

TECH 101

technology@asu.edu

480-727-1874

Engineering (Mechanical Engineering Systems), BSE (TSEGRMEBSE)

Campus: POLY

Program Description:

Engineers are creative problem-solvers who help shape the future. The ABET-accredited BSE engineering program prepares graduates to:

- collaborate across disciplines to design and build solutions to real world problems
- design innovative products
- improve the quality of life for humankind
- provide technological leadership

In the BSE program, students apply engineering fundamental knowledge and design thinking to real projects every semester. The student with a mechanical engineering systems concentration will be able to contribute mechanical subject matter expertise in multidisciplinary engineering teams. Students build a broad foundation of engineering fundamentals in the freshman and sophomore years. In the junior and senior years, students add specialized mechanical expertise to this foundation, including theory and application of materials, machine design, thermal fluid systems, and energy and power from a systems perspective.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org> target="_blank").

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I The program also requires: MAT 266, MAT 267, MAT 275, MAT 343 for a total of 15 mathematics credits.

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with Engineering MS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)
International (<https://students.asu.edu/international/future>)
Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)
Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities:

Engineers collaborate on interdisciplinary teams to design, manufacture and deliver innovative technological products and services. The bachelor's program enables students to develop not only sophisticated engineering technical skills but also the important professional skills of communication, teamwork and collaboration, and the adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies, small businesses, as well as to go on to graduate school to pursue advanced degrees. Due to the emphasis on design and project-based learning, the program supports an entrepreneurial spirit, and some students start companies of their own.

Engineers with mechanical expertise are in high demand in many different industry sectors, including agriculture, a wide variety of process industries, product development and manufacture, energy and defense systems. Mechanical engineers also work in close collaboration with other engineering disciplines in a wide variety of fields, including biomedical, building and construction, transportation and aerospace. Graduates from this program have a broad base of technical knowledge and operational skills that make them invaluable members of multi-disciplinary engineering teams, well suited for employment across the whole spectrum of applications.

Contact Information:

Engineering, Ira A. Fulton Schools of
Engineering Programs
<http://innovation.asu.edu/degrees-programs/engineering-computing-systems/engineering-undergraduate>
TECH 101
technology@asu.edu
480-727-1874

Engineering (Robotics), BSE (TSEGRRBSE)

Campus: POLY

Program Description:

Engineers are creative problem-solvers who help shape the future. No profession unleashes the spirit of innovation like engineering, and the ABET-accredited BSE engineering program prepares graduates to:

- collaborate across disciplines to design and build solutions to real world problems
- design innovative products
- improve the quality of life for humankind
- provide technological leadership

In the BSE program, students apply engineering fundamental knowledge and design thinking to real projects every semester. The student with a robotics concentration will be able to contribute robotics subject matter expertise in multidisciplinary engineering teams. Students build a broad foundation of engineering fundamentals in the freshman and sophomore years. In the junior and senior years, students add specialized robotics expertise to this foundation, including electromechanical systems, sensor and actuator integration, embedded digital systems application, and design and analysis of dynamic systems.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org> target="_blank").

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I The program also requires: MAT 266, MAT 267, MAT 275, MAT 343 for a total of 15 mathematics credits.

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with Engineering MS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities:

Engineers collaborate on interdisciplinary teams to design, manufacture and deliver innovative technological products and services. The bachelor's program enables students to develop not only sophisticated engineering technical skills but also the important professional skills of communication, teamwork and collaboration, and the adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies, small businesses, as well as to go on to graduate school to pursue advanced degrees. Due to the emphasis on design and project-based learning, the program supports an entrepreneurial spirit, and some students start companies of their own.

Robotics are playing an increasingly important role in many different industries, including manufacturing, automotive, defense systems, biomedical devices and aerospace. Graduates from this program have a broad base of technical knowledge in the design and implementation of electro-mechanical systems. In addition, they have the operational and communication skills that make them invaluable members of multidisciplinary engineering teams, well suited for employment across the whole spectrum of applications.

Contact Information:

Engineering, Ira A. Fulton Schools of

Engineering Programs

<http://innovation.asu.edu/degrees-programs/engineering-computing-systems/engineering-undergraduate>

TECH 101

technology@asu.edu

480-727-1874

Engineering Management, BSE (ESEMGBSE)

Campus: ONLNE, TEMPE

Program Description:

The program in engineering management is designed to provide the graduate with skills for effective management and leadership of engineering-driven enterprises. The curriculum provides a breadth of engineering science and design with depth in one specific area suitable for practice. This knowledge is augmented with an understanding of business practices, organizational behavior and management skills to enable the graduate to succeed in the management of a scientific or engineering enterprise. Topics such as project and resource management, financial engineering, risk management, configuration management, service plans, product liability, entrepreneurship and operations management are covered, in addition to product design and process development.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Concurrent Degrees:

This degree is also offered as concurrent degree with Economics, BS

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)
Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission requirements for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission requirements. Students should select a second major choice when applying for admission to a degree program in the Ira A. Fulton Schools of Engineering.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://students.asu.edu/international-admission>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1100 SAT combined math and verbal or minimum 23 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- Admission may be granted with one deficiency in no more than two competency (<http://students.asu.edu/admission/competencies>) areas. Deficiencies in both math and laboratory science are not acceptable.

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 2.75 for less than 24 transfer hours, and
- satisfy the freshmen admission requirements

Transfer students with more than 24 transferable college credit hours:

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- If Undergraduate Admissions requires submission of a high school transcript, admission may be granted with one deficiency in no more than two competency (<http://students.asu.edu/admission/competencies>) areas. Deficiencies in both math and laboratory science are not acceptable.

Concurrent degree admission requirements: Engineering Management, BSE and Economics, BS:

- minimum 1250 SAT combined math and verbal (650 minimum on SAT math) or minimum 29 ACT combined score (29 minimum on ACT math), and
- 3.00 minimum ABOR GPA

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Career Opportunities:

The engineering management graduate will be prepared to begin as a:

- production supervisor
- project management team member or lead
- supply logistics engineer
- system specification and customer relationship management specialist or similar role

The graduate will then progress through successively higher levels of management responsibility.

The graduate will leave with a deep understanding of at least one industry sector based upon the focus area selected.

Contact Information:

Engineering, Ira A. Fulton Schools of
Industrial, Systems & Operations Engineering Prgm
<http://cidse.engineering.asu.edu/>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Environmental and Resource Management, BS (TSETMBS)

Campus: POLY

Program Description:

The BS in environmental and resource management degree provides critical scientific and management skills for graduates who will work in industry or government to ensure the health of natural ecosystems and to mitigate the environmental impact of our industrial world. The curriculum combines a strong foundation in biology, chemistry and mathematics, with a solid grounding in environmental law, natural resources policy, and essential management theory and practice.

Three focus areas are available. Environmental technology focuses on industrial sources of pollution and includes course work in water and wastewater treatment, air pollution, solid and hazardous waste management and industrial hygiene. The range and wildlife areas focus on wildlife and resource management in urban and undeveloped habitats, and their potential need for restoration. Graduates with these skills are in high demand and can find work in industry, governmental management and regulatory agencies, or in policy making organizations.

An accelerated BS/MS degree option is available in which up to nine hours of the bachelor's degree may be applied toward the 33 hours required for the master's in environmental and resource management. A special application is required for this option.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Accelerated Degrees:

This degree is also offered as an accelerated degree with Environmental Tech Mgmt (Polytechnic Campus) (MSTech)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities:

Graduates are firmly grounded in the scientific, technical and legal problems facing environmental managers in today's business climate. They are prepared to be environmental, health and safety professionals in industrial settings, environmental engineering consulting firms or as restoration ecologists and managers of wildlife habitat. Government agencies that employ graduates include the U.S. Environmental Protection Agency, U.S. Geological Survey, Bureau of Land Management, Forest Service, Bureau of Reclamation, state or county departments of environmental quality, state land departments, and state game and fish departments.

Examples of occupations for graduates include:

- brownfield redevelopment specialist
- ecologist
- environmental planner
- environmental scientist
- industrial safety and health engineer
- range conservationist
- soil conservationist
- wildlife biologist

Contact Information:

Engineering, Ira A. Fulton Schools of
Tech Innovation & Entrepr Mgmt
<https://innovation.asu.edu>
TECH 101
technology@asu.edu
480-727-1874

Graphic Information Technology, BS (TSGITBS)

Campus: ONLNE, POLY

Program Description:

The cross-media nature of the graphic information industry requires tomorrow's graduates to understand the full spectrum of graphic technology, publishing processes and current business practices. The BS program in graphic information technology prepares graduates for a seamless career as a graphic technologist encompassing Web design and development, printing and digital publishing, commercial photography and videography, and technical imaging. This is an intensive program of study emphasizing theory and hands-on laboratory practice. Students develop the following skills:

- commercial photography and video
- document design
- multimedia and interactive technologies
- premedia, digital publishing and print technologies
- project and content management
- technical imaging
- user experience design
- Web design and development

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Accelerated Degrees:

This degree is also offered as an accelerated degree with Graphic Information Technology (MSTech)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Career Opportunities: Graphic information technology prepares graduates for technical and management positions in the diverse graphics industry, such as:

- commercial and technical imaging
 - management of graphic information assets
 - planning and evaluation of print, Internet, multimedia and computer-based communication
 - premedia, digital printing and publishing
 - quality assurance of graphic products
 - technical and digital media production
- Web design and development

Contact Information:

Engineering, Ira A. Fulton Schools of

Graphic Information Technology

<http://innovation.asu.edu/degrees-programs/human-environmental-systems/graphic-information-technology-undergraduate>

TECH 101

technology@asu.edu

480-727-1874

Graphic Information Technology (Gaming), BS (TSGITGBS)

Campus: POLY

Program Description:

The cross-media nature of the graphic information industry requires tomorrow's graduates to understand the full spectrum of graphic technology, reproduction processes and current business practices. The BS program in graphic information technology prepares graduates for a seamless career as a graphic technologist encompassing Web development and Internet technologies, printing and digital publishing, and commercial and technical imaging, and gaming technologies. Graduates of the BS in graphic information technology with a concentration in gaming will be able to critically analyze, design and develop the various game appearance and art assets needed to create video games. Students will learn and apply the latest game visual development skills, tools and technologies. Students develop the following skills:

- commercial photography and video
- document design
- gaming and simulation technologies
- multimedia and interactive technologies
- premedia, digital publishing and print technologies
- project and content management
- technical imaging
- user experience design
- Web design and development

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Accelerated Degrees:

This degree is also offered as an accelerated degree with Graphic Information Technology (MSTech)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities: Graduates from the video game art focus may work on PC, mobile apps and console video games as a modeler, texture artist for characters and environments, as well as a character animator and rigger.

Graduates with a concentration in gaming will find employment in a variety of capacities ranging from computer and software design to graphic design and graphics arts. Students specializing in video game production are skilled at asset management, 3D rendering and animation including technically challenging tasks like skinning, rigging, and texturing for game asset production. Salaries can range from \$50,000 to \$125,000 a year depending on experience and market demand.

Contact Information:

Engineering, Ira A. Fulton Schools of

Graphic Information Technology

<http://innovation.asu.edu/degrees-programs/human-environmental-systems/graphic-information-technology-undergraduate>

TECH 101

technology@asu.edu

480-727-1874

Industrial Engineering, BSE (ESIEEBSE)

Campus: TEMPE

Program Description:

Industrial engineering is concerned with the design, improvement, installation and operation of integrated systems of people, materials, information, equipment and energy. The purpose is to determine efficient ways to make a product or to provide a service. Industrial engineering draws upon specialized knowledge and skill in the mathematical, physical and social sciences together with the principles and methods of engineering analysis and design.

The underlying concepts of industrial engineering include certain business principles, but emphasizes the use of mathematics and information technology to build models to describe, understand and optimize system performance. Depending on the subspecialties involved and intended application, industrial engineering may also be known as operations management, management science, operations research, systems engineering or manufacturing engineering.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with Industrial Engineering (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Career Opportunities:

Graduates in industrial engineering are prepared to design and manage systems for a wide range of organizations. They find exciting career opportunities in all types of manufacturing and service industries, including:

- aerospace
- automotive
- banking
- defense
- finance
- government
- health care
- management consulting
- semiconductor manufacturing
- telecommunications
- transportation

Contact Information:

Engineering, Ira A. Fulton Schools of
Industrial, Systems & Operations Engineering Prgm
<http://cidse.engineering.asu.edu/>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Industrial and Organizational Psychology, BS (ECPSYBS)

Campus: POLY

Program Description:

Americans spend more than 54 percent of their waking hours at work. As a result, students who want to make a real impact on peoples' lives are beginning to focus on the psychology of work. Industrial and organizational psychology helps organizations identify the right job candidates to hire, determine the best job fit for each worker, and design enjoyable and effective workplaces, taking into account work-life balance. Finally, one specialty, human factors, focuses on designing tools and products that are easy to use and reduce human error.

In addition to strong education in human learning, memory, emotion, judgment and social psychology, which prepare students for employment or graduate school, students can choose to focus in two of five focus areas:

- consumer psychology
- human resources and organizational behavior
- learning technology
- preclinical and counseling
- user experience

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities:

Some students pursue masters or doctorate degrees, but many career opportunities exist for graduates with bachelor's degrees, especially in the areas of human resources, human factors design, user experience, and consumer behavior.

We routinely place our qualified undergraduate students in internships in leading companies or government agencies in the fields of technology, transportation, training, defense and health care. According to the 2012 Occupational Outlook Handbook, published by the U.S. Department of Labor, industrial and organizational psychology is one of the best paying specialties in psychology, and demand for industrial and organizational psychologists is growing at a rate of about 29 percent annually.

Contact Information:

Engineering, Ira A. Fulton Schools of

Human Systems Engineering

<http://innovation.asu.edu/degrees-programs/human-environmental-systems/industrial-and-organizational-psychology-undergraduate>

TECH 101

technology@asu.edu

480-727-1874

Informatics, BS (ESCPIBS)

Campus: TEMPE

Program Description:

Informatics is about discovering, developing and understanding computer applications that improve people's lives. The BS informatics program prepares skilled professionals who take an interdisciplinary, user-oriented perspective toward information and computing systems, apply current informatics methods to address society's needs, and contribute to the next generation of such systems.

The informatics bachelor's program provides an option for students interested in a flexible program in applied information and computing technologies. The program provides skills in design and implementation of computer systems, while offering opportunities for building applications used by people in many fields. Informatics students learn to develop software for supercomputers to cell phones and even smaller devices. Informatics challenges include designing, developing, and applying tools that model, aid, or automate activities within science, engineering, business, geography, education and entertainment.

Informatics careers center on solving problems through the design and creation of information systems, user interfaces, mobile technologies and social media.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus or MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission requirements for a Bachelor of Science in informatics are higher than minimum university admission requirements. Students should select a second major choice when applying for admission to a degree program in the Ira A. Fulton Schools of Engineering.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://students.asu.edu/international-admission> (<http://students.asu.edu/international-admission>)) and admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed.

Transfer students with fewer than 24 transferable college credit hours:

- Minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed, and
- Minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class.

Transfer students with more than 24 transferable college credit hours:

Primary Criteria

- Minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed (if Undergraduate Admissions requires submission of a high school transcript).

Secondary Criteria

- Minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- Minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- A competency deficiency in either math or laboratory science is allowed. Competency deficiencies in both math and science are not allowed (if Undergraduate Admissions requires submission of a high school transcript).

Career Opportunities:

An ASU graduate of this ASU informatics program has the ability to develop future information technology solutions that place a strong emphasis on user needs and provide the ability to adapt and change dynamically with society's needs. This makes the informatician a strong candidate for jobs in:

- management consulting firms
- technology research centers
- technology start-ups

Additionally, the program prepares students for graduate programs offering emphasis in emerging technologies.

Contact Information:

Engineering, Ira A. Fulton Schools of
Computer Science and Engineering Program
<http://cidse.engineering.asu.edu/>
BYENG 208
cidse.advising@asu.edu
480-965-3199

Information Technology, BS (TSIFTBS)

Campus: ONLNE, POLY

Program Description:

Information technology is for those who want to be responsible for designing, selecting, implementing, and managing computer-based information solutions. The information technology graduate can design and create effective solutions to today's knowledge-based problems. Graduates design and create network architectures, configure and administer complex computer and database systems, create and manage effective web sites, or

design and process interactive media solutions. In the bachelor's in information technology program, students will create a project solution every semester and hone team and personal presentation skills. In addition to selecting a primary focus area, (networking, computer systems security or cloud computing), students will be able to create their own secondary focus area that meets their specific career objectives.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Career Opportunities:

Graduates of the information technology bachelor's program are well-qualified for careers in the management of IT departments and functions. This degree couples technical skills with the business skills needed to manage technical functions. Some graduates may pursue careers as technical support staff based on the focus area and secondary skills they achieve.

Graduates will have the ability to manage technical professionals in these focus areas:

The focus area in networking explores the tools, frameworks, technologies and processes underlying the design, construction, deployment and support of computer networks.

The focus area in computer systems security and administration provides the graduate with the concepts underlying information assurance, securing computer applications and secure communication of information.

The focus area in cloud computing and service-oriented computing explores the tools, languages and frameworks for designing, realizing and managing virtual cloud-based computing solutions. Students have the option in the information technology program to delve into the back-end information services to augment their knowledge of databases, and human-computer interface design.

Contact Information:

Engineering, Ira A. Fulton Schools of
Information Technology

<http://innovation.asu.edu/degrees-programs/engineering-computing-systems/information-technology-undergraduate>

TECH 101

technology@asu.edu

480-727-1874

Manufacturing Engineering, BS (TSMEGRBS)

Campus: POLY

Program Description:

Successful manufacturing enterprises balance design, sustainability and quality with production to prosper in the global marketplace. Manufacturing engineering combines manufacturing processes (e.g., how materials are altered in either shape or properties) and the processes of manufacturing (e.g., design and management of manufacturing systems).

The BS manufacturing engineering program prepares graduates to:

- collaborate across disciplines to design and build solutions to real-world problems
- design innovative products and the equipment, tooling and environments necessary for their manufacture

- model, simulate and analyze manufacturing production processes for both small and large scale environments
- analyze, synthesize and control manufacturing operations using statistical methods
- provide technological leadership

The curriculum is project-based, hands-on, teamwork oriented and delivered in outstanding fabrication facilities. Graduates of this program will become key team members who will create and implement processes for making such varied products as airplanes, surgical instrument, toys and foodstuffs.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Engineers collaborate on interdisciplinary teams to design, manufacture and deliver innovative technological products and services. The bachelor's program enables students to develop not only sophisticated engineering technical skills but also the important professional skills of communication, teamwork and collaboration, and the adaptability that many employers seek. Graduates are prepared to work in large corporations, government agencies, small businesses, as well as to go on to graduate school to pursue advanced degrees. Due to the emphasis on design and project-based learning, the program supports an entrepreneurial spirit, and some students start companies of their own.

Graduates typically work as manufacturing engineers in a variety of companies, large and small. They are often members of design and development teams, cooperating with other people in and outside of their company. Career employment opportunities include direct manufacturing support, manufacturing management and quality control and assurance in large and midsized, established manufacturing companies. Due to a strong, broad and practical engineering skill set, graduates are also highly valuable in small companies or new start-up companies. Our graduates are well placed and command top salaries in their engineering careers.

Contact Information:

Engineering, Ira A. Fulton Schools of

Engineering Programs

<http://innovation.asu.edu/degrees-programs/engineering-computing-systems/manufacturing-engineering-undergraduate>

TECH 101

technology@asu.edu

480-727-1874

Manufacturing Engineering Technology (Mechanical), BS (TSMETMBS)

Campus: POLY

Program Description:

Manufacturing is in a period of dramatic transformation. Future manufacturing will involve a global supply network to enable innovation, design and integration of products and services. At its core, manufacturing engineering is about creating and delivering products and services that have value to customers and society.

Manufacturing engineers are key team members in the production of products such as automobiles, airplanes, electronic devices, surgical instruments, toys, building products and foodstuffs. Manufacturing engineers design the processes to make products with the required functionality, to desired quality standards, based on customers needs, at the best possible price and in environmentally-friendly ways. The manufacturing curriculum is project-based and provides students a hands-on, team-based learning environment. The manufacturing program has outstanding fabrication facilities that are a hallmark of the program.

The program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates typically work as manufacturing engineers in a variety of companies, large and small. They are often members of design and development teams, cooperating with other people in and outside of their company. Career employment opportunities include:

- direct manufacturing support
- manufacturing management
- quality control and assurance

Due to a strong, practical engineering skill set, graduates are valuable in small companies or new start-up companies. Our graduates are well placed and command top salaries in their engineering careers.

Contact Information:

Engineering, Ira A. Fulton Schools of

Engineering Programs

<https://technology.asu.edu>

TECH 101

technology@asu.edu

480-727-1874

Materials Science and Engineering, BSE (ESMSEBSE)

Campus: TEMPE

Program Description:

Materials engineers are responsible for designing and developing new and improved materials for a wide variety of engineering applications. The faculty in the Ira A. Fulton Schools of Engineering offer a BSE in materials science and engineering. Courses in materials teach students about the design of materials and how to process them to improve their structure, properties and performance.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/> (<http://www.abet.org/>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Materials Science and Engineering (MS)

Nanoscience (PSM)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university standards. International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours must meet EITHER the primary OR the secondary criteria (not both):

Primary Criteria

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Secondary Criteria

- minimum transfer GPA of 2.75 for 24 or more transfer hours, and
- minimum GPA of 2.75 in all critical courses for Terms 1 and 2 (see major map for critical courses), and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Career Opportunities:

Materials engineers are in demand in a wide range of industries and professions, including:

- aerospace
- automotive
- computer
- electronics
- energy
- health care
- microelectronics

The career paths in these industries offer opportunities to impact technological advances through working in a team environment with engineers from the chemical, electrical, mechanical, aerospace and other engineering disciplines.

Contact Information:

Engineering, Ira A. Fulton Schools of
Materials Science and Engineering Program

<http://engineering.asu.edu/semte>

ECG 202

semte@asu.edu

480-965-2335

Mechanical Engineering, BSE (ESMAEMBSE)

Campus: TEMPE

Program Description:

Mechanical engineering is a creative, diverse discipline. Mechanical engineers design, build and control the devices, machines, processes and systems that are the mainstay of modern industrialized society.

Students are prepared for a career in mechanical engineering through a curriculum that includes study of the principles governing energy transfer, mechanical design, sensors and control devices and the application of these principles to the creative solution of practical modern problems.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Aerospace Engineering (MS)

Mechanical Engineering (MS)

Solar Energy Engineering and Commercialization (PSM)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours:

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Career Opportunities:

A major strength of a mechanical engineering education is the flexibility it provides in future employment opportunities for its graduates. Mechanical engineers are employed in virtually every kind of industry. They are involved in seeking new knowledge through research, in generating creative design and development, and in the production, control, management and sales of the devices and systems needed by society.

The objectives of the mechanical engineering program are for graduates to be employed in mechanical engineering or a related field or accepted to graduate school.

- Our graduates will be employed as engineers or will be enrolled in (or have graduated from) engineering or professional graduate school.

- Our graduates will be sought out to contribute to the design of solutions to complex problems.
- Our graduates will demonstrate professionalism and will hold positions of increasing responsibility within their organizations.

Contact Information:

Engineering, Ira A. Fulton Schools of
 Mechanical and Aerospace Engineering Program
<http://engineering.asu.edu/semte>
 ECG 202
semte@asu.edu
 480-965-2335

Mechanical Engineering (Computational Mechanics), BSE (ESMAECBSE)

Campus: TEMPE

Program Description:

As mathematical and numerical modeling takes on a much larger role in product development, graduates who are highly skilled in computational and mathematical engineering will be in high demand. The concentration in computational mechanics, under the BSE in mechanical engineering, is designed to teach students the modern computational tools available for solving large-scale and complex technical problems. The curriculum focuses on high-performance computing and the accurate modeling of large and small-scale systems.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Aerospace Engineering (MS)
- Mechanical Engineering (MS)
- Solar Energy Engineering and Commercialization (PSM)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad>) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours:

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Career Opportunities:

Mechanical engineers are employed in virtually every kind of industry. They are involved in seeking new knowledge through research, in generating creative design and development, and in the production, control, management and sales of the devices and systems needed by society. Therefore, a major strength of a mechanical engineering education is the flexibility it provides in future employment opportunities for its graduates.

The objectives of the mechanical engineering program are for graduates to be employed in mechanical engineering or a related field or accepted to graduate school:

- Our graduates will be employed as engineers or will be enrolled in (or have graduated from) engineering or professional graduate school.
- Our graduates will be sought out to contribute to the design of solutions to complex problems.
- Our graduates will demonstrate professionalism and will hold positions of increasing responsibility within their organizations.

Contact Information:

Engineering, Ira A. Fulton Schools of
 Mechanical and Aerospace Engineering Program
<http://engineering.asu.edu/semte>
 ECG 202
semte@asu.edu
 480-965-2335

Mechanical Engineering (Energy and Environment), BSE (ESMAEEBSE)

Campus: TEMPE

Program Description:

The concentration in energy and environment, within the BSE in mechanical engineering, seeks to prepare students to analyze technical problems in:

- air pollution
- climate change
- energy efficiency
- environmental sustainability
- renewable energy
- timely issues facing the global community

Although the primary focus of this program is technical, the general education courses in the areas of the humanities and social and behavioral sciences introduce students to the global, political and societal issues relating to energy and the environment. By focusing on issues such as air pollution, water scarcity and the lack of alternative transportation, this program becomes even more attractive for employers in the greater Phoenix area, as well as nationwide.

Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Aerospace Engineering (MS)
- Mechanical Engineering (MS)
- Solar Energy Engineering and Commercialization (PSM)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The admission standards for majors in the Ira A. Fulton Schools of Engineering are higher than minimum university admission standards.

International students may have an additional English-language proficiency criterion. Foreign nationals must meet the same admission requirements shown below with the possible additional requirement of a minimum TOEFL score. If the university requires a TOEFL score from the applicant, (see <http://global.asu.edu/future/undergrad> (<http://global.asu.edu/future/undergrad>)) then admission to engineering requires a minimum TOEFL score of 550 (paper-based), 213 (computer-based), 79 on iBT (Internet-based) or a minimum IELTS score of 6.5.

Freshman Admission:

- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score or 3.00 minimum ABOR GPA or class ranking in top 25 percent of high school class, and
- no high school math or science competency deficiencies

Transfer students with fewer than 24 transferable college credit hours:

- minimum transfer GPA of 3.00 for less than 24 transfer hours, and
- no high school math or science competency deficiencies, and
- minimum 1140 SAT combined math and verbal or minimum 24 ACT combined score, or 3.00 minimum ABOR GPA, or class ranking in top 25 percent of high school class

Transfer students with 24 or more transferable college credit hours:

- minimum transfer GPA of 3.00 for 24 or more transfer hours, and
- no high school math or science competency deficiencies (if Undergraduate Admissions requires submission of a high school transcript)

Career Opportunities:

Mechanical engineers are employed in virtually every kind of industry. They are involved in:

- generating creative design and development
- seeking new knowledge through research
- the production, control, management and sales of the devices and systems needed by society

Therefore, a major strength of a mechanical engineering education is the flexibility it provides in future employment opportunities for its graduates.

Students completing this concentration have opportunities as:

- environmental consultants
- heating, ventilation and air-conditioning (HVAC) engineers
- power plant designers

The objectives of the mechanical engineering program are for graduates to be employed in mechanical engineering or a related field or accepted to graduate school.

- Our graduates will be employed as engineers or will be enrolled in (or have graduated from) engineering or professional graduate school.
- Our graduates will be sought out to contribute to the design of solutions to complex problems.
- Our graduates will demonstrate professionalism and will hold positions of increasing responsibility within their organizations.

Contact Information:

Engineering, Ira A. Fulton Schools of
Mechanical and Aerospace Engineering Program
<http://engineering.asu.edu/semte>
ECG 202
semte@asu.edu
480-965-2335

Mechanical Engineering Technology, BS (TSMECBS)

Campus: POLY

Program Description:

Mechanical engineering technology programs offer students four years of applied engineering education in a hands-on, experiential, team-based learning environment. Our faculty members have real-world engineering experience, which they use to teach students how to apply engineering theory to practice in state-of-the-art labs stocked with up-to-date equipment used in industry today. Students learn how to produce practical and

technically innovative solutions to real-world problems, thereby helping people and the environment.

This program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates often work as members of design and development teams, cooperating with other people in and outside of their company. The BS in mechanical engineering technology, including specialty concentrations, offers great flexibility in type of work and location. Employment opportunities exist in companies that design, develop, manufacture, implement and improve products, machinery and systems. Employment areas include:

- engineering design
- manufacturing
- research and development

Companies large and small, in this region and elsewhere, provide a wide range of opportunities for graduates.

Contact Information:

Engineering, Ira A. Fulton Schools of

Engineering Programs

<https://technology.asu.edu/>

TECH 101

technology@asu.edu

480-727-1874

Mechanical Engineering Technology (Aeronautical Engineering Technology), BS (TSMECEBS)

Campus: POLY

Program Description:

Mechanical engineering technology programs offer students four years of applied engineering education in a hands-on, experiential, team-based learning environment. Our faculty members have real-world engineering experience, which they use to teach students how to apply engineering theory to practice in state-of-the-art labs stocked with up-to-date equipment used in industry today. Students learn how to produce practical and technically innovative solutions to real-world problems, thereby helping people and the environment.

The aeronautical engineering technology concentration provides a specialization in aircraft, with classes in aircraft systems, design and performance, structures and aerodynamics (including wind tunnel testing).

The mechanical engineering technology program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident

tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates often work as members of design and development teams, cooperating with other people in and outside of their company. The BS in mechanical engineering technology, and its aeronautical engineering technology specialty concentration, offer great flexibility in type of work and location. Due to their aeronautical specialty concentration, graduates are prepared to seek employment in aviation-related companies, large and small, in this region and elsewhere, providing a wide range of opportunities for graduates. Employment areas include engineering design, manufacturing, and research and development. Or, since their degree is in mechanical engineering technology, students can seek traditional mechanical engineering employment opportunities in companies that design, develop, manufacture, implement and improve products, machinery and systems.

Contact Information:

Engineering, Ira A. Fulton Schools of

Engineering Programs

<https://technology.asu.edu/>

TECH 101

technology@asu.edu

480-727-1874

Mechanical Engineering Technology (Automation Engineering Technology), BS (TSMECUBS)

Campus: POLY

Program Description:

Mechanical engineering technology programs offer students four years of applied engineering education in a hands-on, experiential, team-based learning environment. Our faculty members have real-world engineering experience, which they use to teach students how to apply engineering theory to practice in state-of-the-art labs stocked with up-to-date equipment used in industry today. Students learn how to produce practical and technically innovative solutions to real-world problems, thereby helping people and the environment.

The automation engineering technology concentration provides a specialization in machine and manufacturing process automation, including robotic systems. Automated assembly and testing are major components of most modern mechanical systems and manufacturing operations.

The mechanical engineering technology program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates often work as members of design and development teams, cooperating with other people in and outside of their company. The BS in mechanical engineering technology, and its automation engineering technology concentration, offer great flexibility in type of work and location. Graduates are prepared to seek employment in any company that employs automated manufacturing equipment, large and small, providing a wide range of opportunities for graduates. This very wide spectrum includes food and beverage processing, aerospace and automotive manufacturing, and power companies. Students can also seek traditional mechanical engineering technology employment opportunities in companies that design, develop, manufacture, implement and improve products, machinery and systems.

Contact Information:

Engineering, Ira A. Fulton Schools of

Engineering Programs

<https://technology.asu.edu>

TECH 101

technology@asu.edu

480-727-1874

Mechanical Engineering Technology (Automotive), BS (TSMECTBS)

Campus: POLY

Program Description:

Mechanical engineering technology programs offer students four years of applied engineering education in a hands-on, experiential, team-based learning environment. Our faculty members have real-world engineering experience, which they use to teach students how to apply engineering theory to practice in state-of-the-art labs stocked with up-to-date equipment used in industry today. Students learn how to produce practical and technically innovative solutions to real-world problems, thereby helping people and the environment.

The automotive concentration addresses vehicle design. The course configuration is based on the functional structure of an automotive company and emphasizes system integration of power plants, chassis and related systems.

The mechanical engineering technology program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org> (<http://www.abet.org>).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates often work as members of design and development teams, cooperating with other people in and outside of their company. The BS in mechanical engineering technology, and its automotive engineering technology concentration, offer great flexibility in type of work and location. Due to the automotive specialty concentration, graduates are prepared to seek employment in automotive-related companies, from large to smaller

specialty or aftermarket companies. Students can also seek traditional mechanical engineering employment opportunities in companies that design, develop, manufacture, implement and improve products, machinery and systems.

Contact Information:

Engineering, Ira A. Fulton Schools of
Engineering Programs
<https://technology.asu.edu/>
TECH 101
technology@asu.edu
480-727-1874

Pre-Engineering, (TSEGRPRE)

Campus: POLY

Program Description:

The pre-engineering pathway is an excellent opportunity for students to begin their engineering studies. Two tracks are available: pre-engineering and manufacturing engineering or pre-software engineering. The program focuses on developing fundamental knowledge of engineering, physics, chemistry and mathematics. Students also complete first-year composition and general studies requirements. Pre-engineering is not a degree-granting major; it is a program consisting of a one- to four-semester sequence depending on the student's math placement and progress. Pre-engineering prepares students to pursue one of the college's engineering or product development areas: the BSE in Engineering and its concentrations, the BS in manufacturing engineering, the BS in product development and manufacturing technology or the BS software engineering.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 110 - Enhanced Freshman Mathematics

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Since this program does not grant a degree, students must choose a major for degree completion. Career opportunities are specific to the ultimate major of choice.

Contact Information:

Engineering, Ira A. Fulton Schools of
Engineering Programs
<http://innovation.asu.edu/preengineering>
TECH 101
technology@asu.edu
480-727-1874

Product Development and Manufacturing Technology, BS (TSMETBS)

Campus: POLY

Program Description:

Product development and related manufacturing technology is a wide ranging and dynamic field. Conceiving of products and moving them to market is a complex and fascinating process that begins with an understanding of the humans that will use the product. Then the prototype must be made, developed and manufactured on a scale that ensures financial success. The product development and manufacturing technology degree provides students with opportunity to learn all of these facets of successful product development. At its core, product development is about creating and delivering products that have value to customers and society.

People with deep product development knowledge are key team members in the production of products such as automobiles, airplanes, electronic

devices, surgical instruments, toys, building products and foodstuffs. They often work closely with manufacturing engineers in the design of processes to make products with the required functionality, to desired quality standards, based on customer's needs, at the best possible price and in environmentally-friendly ways. The product development curriculum provides students a hands-on, team-based learning environment, with students having access to outstanding fabrication facilities.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates typically work in product development in a variety of companies, large and small. They are often members of design and development teams, cooperating with other people in and outside of their company. Due to a strong, practical skill set, graduates are valuable in large, small companies or new start-ups. However, other graduates become entrepreneurs developing their own products.

Contact Information:

Engineering, Ira A. Fulton Schools of

Tech Innovation & Entrepr Mgmt

<http://innovation.asu.edu/>

TECH 101

technology@asu.edu

480-727-1874

Software Engineering, BS (TSSERBS)

Campus: ONLNE, POLY

Program Description:

The program blends engineering, computing, project leadership and software construction. Students learn how to make creative software solutions to today's problems. Software systems are complex, often including in excess of a million lines of code. Graduates of the BS in software engineering possess knowledge and skills of a defined engineering approach to complex systems analysis, planning, design and construction. The program is a unique project-driven curriculum, establishing a new model for software engineering education. The program is built around the concepts of engaged learning, discovery-based education and learn-by-doing. Students complete projects in every semester of the program, to provide emphasis in communication, teamwork, critical thinking and professionalism. Students have flexibility in designing their course of study; they select a software engineering application area, such as Web applications, mobile systems, embedded systems, or graphics and game development, as their primary focus, and may obtain interdisciplinary knowledge through a secondary area of their design.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with Software Engineering MS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Career Opportunities:

Software engineers solve a broad set of interdisciplinary problems and apply new technologies to improve the quality of life. Graduates design and engineer innovative systems that may include mechanical and electrical components that interact with software. The bachelor's in software engineering is a unique program in which students learn by solving engaging projects, commonly as a member of a development team. The program prepares graduates for advanced study in computing, an allied field, or to enter the computing profession (most commonly as an application software engineer). According to the Bureau of Labor Statistics, software engineers are highly paid, and there is significant growth in the number of employment opportunities. Some software engineering jobs may include:

- creating video games
- creating Web applications
- create applications for mobile devices
- designing embedded systems
- developing distributed applications
- working on data, network, security or computer system administration

Contact Information:

Engineering, Ira A. Fulton Schools of

Software Engineering

<http://innovation.asu.edu/degrees-programs/engineering-computing-systems/software-engineering-undergraduate>

TECH 101

technology@asu.edu

480-727-1874

Technological Entrepreneurship and Management, BS (TSTEMBS)

Campus: ONLNE, POLY

Program Description:

The BS in technological entrepreneurship and management prepares students to launch technology-based ventures and tackle social and corporate issues to impact the world around them.

Our students provide leadership to solve problems and create products and services in industry, startups or nonprofits. The program structure is a collaborative effort, bringing together faculty from diverse disciplines, focused on entrepreneurship and management.

Students receive a foundation in technology and business fundamentals, with an emphasis on entrepreneurship and innovation in one of many focus areas:

- operations management
- process innovation and process improvement (including Lean Six Sigma training)
- product development
- social entrepreneurship

Advisors help guide students in their course of study, choose the right courses, and stay on track for an on-time graduation.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program
Academic Catalog Archive 2014-2015 1022

(<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-technological-entrepreneurship-and-management>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Small- and medium-sized enterprises and startups create the majority of new jobs in the United States, while larger corporations are looking to hire individuals who can see the big picture and solve complex problems. Students in the technological entrepreneurship and management program learn the range of skills needed to develop new products, assess and improve processes, develop new processes and services as well as utilize a range of decision making- and software tools to help a company or organization with their competitive positioning.

This program prepares students for a variety of careers in the following areas:

- business development
- consulting
- operations management
- organizational management
- process analysis, process improvement and process development
- product development
- strategy
- technology-based entrepreneurship

Contact Information:

Engineering, Ira A. Fulton Schools of

Tech Innovation & Entrepr Mgmt

<http://innovation.asu.edu/degrees-programs/human-environmental-systems/technological-entrepreneurship-management-undergraduate>

TECH 101

technology@asu.edu

480-727-1874

Health Solutions, College of

Applied Science (Food Service Management), BAS (ECNTRBAS)

Campus: DTPHX

Program Description:

The BAS degree with a concentration in food service management is designed to complement and enhance the educational preparation of students holding an AAS degree in culinary or hospitality science.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree. This program is not available for freshmen.

Career Opportunities:

This degree prepares students for careers in food production, service, management and marketing. With additional education or professional training, students may also become credentialed as:

- certified dietary managers
- registered sanitarians
- school food service and nutrition specialists

Contact Information:

Health Solutions, College of

School of Nutrition and Health Promotion

<https://snhp.asu.edu/>

NH12

healthpromotion@asu.edu

602-496-3300

Applied Science (Health Sciences), BAS (NUHSCBAS)

Campus: DTPHX, ONLNE

Program Description:

The BAS program is designed specifically for students who have earned an AAS from a regionally accredited institution. In completing the bachelor's, students complete all ASU graduation requirements.

The concentration in health sciences is designed to provide the academic knowledge and skills to allow students with an associate degree from a previously-approved health related program to advance their employment opportunities within the health field, continue into a graduate program of study or both.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree. This program is not available for freshmen.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here. (<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-applied-science-health-sciences>)

Career Opportunities:

Graduates will be able to return to their original area of expertise in allied health (i.e., radiology, nuclear imaging) and qualify for a managerial

position, to be an educator or instructor within their field of expertise or qualify for a higher position grade within their current place of employment. Other career options include positions such as:

- elder services program coordinator
- health and patient educator
- health maintenance organization or insurance company client coach
- Healthy Start coordinator
- home health care coordinator
- long-term care health and wellness coordinator
- school health and program specialist
- women, infants, children and community nutrition aide

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<https://snhp.asu.edu/>
MERCC C250
healthpromotion@asu.edu
602-496-3300

Applied Science (Medical Laboratory Science), BAS (NUMLSBAS)

Campus: DTPHX

Program Description:

The BAS in medical laboratory sciences is designed to provide the academic knowledge and professional skills to allow students to advance their employment opportunities within the field of medical technology, cytology, clinical laboratory science and related areas. Medical laboratory scientists, also known as clinical laboratory scientists, are highly skilled professionals who perform analytical tests on blood, tissue and body fluids to provide laboratory information for the detection, diagnosis and treatment of human diseases. They work independently and have skills and knowledge that are greater in depth and breadth compared to medical laboratory technicians, who typically are graduates of a two-year or community college program. There also is a growing trend for medical laboratory scientists to perform wellness laboratory testing aimed at preventing disease.

For a detailed description of courses and the transfer path, see the major map link above.

For more program information, see the links below:

Program handbook: <https://snhp.asu.edu/sites/default/files/handbook-medical-laboratory-2013.pdf>
(<https://snhp.asu.edu/sites/default/files/handbook-medical-laboratory-2013.pdf>)

Program schedule: <https://snhp.asu.edu/sites/default/files/medical-laboratory-science-schedule-2014-15.pdf>
(<https://snhp.asu.edu/sites/default/files/medical-laboratory-science-schedule-2014-15.pdf>)

Additional program information: <https://snhp.asu.edu/sites/default/files/medical-laboratory-science-program-sept-2013.pdf>
(<https://snhp.asu.edu/sites/default/files/medical-laboratory-science-program-sept-2013.pdf>)

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Only students who have been admitted through Phoenix College and who have completed the prerequisite course work, verified by the program director or program advisor, are eligible to apply to this program. The following requirements are a part of the application process and are included in the separate program application, released to those who are considered eligible during a specified application cycle:

- gain admission to Phoenix College
- complete program application, which should include:
- student information
- course work
- immunizations
- basic life support/CPR
- Fingerprint Clearance Card
- health declaration
- experience in medical laboratory sciences
- employment observation verification
- references
- review checklist and sign

submit to:

School of Nutrition and Health Promotion Student Services Office, MERCC Mail Code 8220 ATTN: Medical Laboratory Science Program Arizona State University 502 E Monroe St Ste C 250 Phoenix AZ 85004-4431 • apply to Arizona State University

Career Opportunities:

The Bureau of Labor Statistics reports that 13,000 new laboratory professionals will be needed in the United States each year; however, current training programs graduate only 5,000 students each year. The majority of medical laboratory scientists and technologists work in hospital laboratories. Others work in independent laboratories, reference laboratories, clinics, health maintenance organizations, public health agencies, pharmaceutical firms, research institutions, scientific equipment companies, physicians' offices and as teachers in college clinical laboratory science programs. The working environment is as varied as the types of practice in which medical laboratory scientists are engaged.

Contact Information:

Health Solutions, College of
 School of Nutrition and Health Promotion
<https://snhp.asu.edu/programs/medical-laboratory-science>
 MERCC 250
healthpromotion@asu.edu
 602-285-7865

Biomedical Informatics, BS (ESBMIBS)

Campus: TEMPE

Program Description:

Biomedical science, health care delivery and public health increasingly rely on multidisciplinary expertise, many diverse sources of data, and complex interactions and collaborations to perform their tasks. The role of biomedical informatics, the field in which computer science, information technology, probabilistic reasoning, cognitive science, and other quantitative and technical methods and skills are applied to biomedicine and health care delivery, is increasingly recognized as essential for progress. The program will educate undergraduate students in the informatics knowledge and skills that will enable them to be effective contributors to the informatics aspects of biomedical sciences, technology development, health care delivery and business sectors related to commercialization of the above, or be prepared to enter graduate programs in biomedical informatics to equip them to assume leadership positions in these fields.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

The BS in biomedical informatics will produce graduates who will contribute to the workforce nationwide. Current employers report a need for biomedical informaticians at the bachelor's level in such job titles as:

- actuarial services analyst
- actuarial services manager
- clinical informatics specialist
- decision support analyst
- encounter data analyst
- health plan performance analyst
- population health analyst
- program evaluator
- program research analyst
- quality improvement analyst

Students with a wide range of interests will be attracted to this program. Some may see this program as a unique way to combine their interest in life sciences and technology. Others may find this degree the first step toward medical school or advanced medical research or to continued graduate-level study in biomedical informatics.

Contact Information:

Health Solutions, College of
Biomedical Informatics Program
<http://bmi.asu.edu>
Johnson Research Bldg., Mayo Clinic
bmi@asu.edu
480-884-0220

Exercise and Wellness (Exercise and Wellness), BS (ECEXWBS)

Campus: DTPHX

Program Description:

Employment of fitness and wellness professionals is expected to grow by up to 24 percent through 2020, much faster than other occupations, driven by efforts to reduce health care costs by teaching people about healthy behaviors. The need for fitness and health promotion programming and facilities will increase the need for workers in these areas.

The BS in exercise and wellness (concentration in exercise and wellness) provides students with the knowledge, skills, and expertise to assist individuals across the lifespan in adopting exercise, physical activity and other healthy behaviors.

This concentration emphasizes:

- an outstanding capstone internship that provides preprofessional experience
- competencies required to pursue national certifications*
- knowledge and skills for teaching, evaluating, prescribing, and promoting fitness and wellness behaviors
- methods for helping people make behavioral changes and teaching people about health risks
- sciences of cardiovascular and muscular fitness, nutrition, and stress management

*Certifications such as from the American College of Sports Medicine, the National Strength and Conditioning Association or the National Academy of Sports Medicine

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra/MAT 170

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)
Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Career Opportunities:

Students who complete a bachelor's degree in the exercise and wellness concentration will have enhanced opportunities in fitness and wellness employment settings because clients and employers prefer to work with people who are more highly prepared and qualified.

Undergraduates in this concentration often pursue careers in such fields as:

- active adult-planned community fitness and health promotion
- cardiac rehabilitation
- country club fitness
- hospital-based fitness centers or spa fitness
- personal training
- sports medicine clinics
- strength and conditioning coaching
- wellness centers
- worksite fitness and health promotion

Students may also pursue further graduate study in such fields as:

- athletic training
- exercise science
- medicine
- occupational therapy
- physical therapy
- physician assistant

Advanced degrees or certifications may be required for academic or clinical positions.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<https://snhp.asu.edu/>
MERCC C250
healthpromotion@asu.edu
602-496-3300

Exercise and Wellness (Health Promotion), BS (ECEXWHBS)

Campus: DTPHX

Program Description:

The BS in exercise and wellness with a concentration in health promotion provides students a pathway to become a Certified Health Education Specialist (CHES). Students will gain the knowledge, skills and expertise to develop and deliver programs that enhance awareness about healthy lifestyle behavior, increase health-enhancing behaviors, decrease health risk behaviors and create environments supportive of healthy lifestyles.

Students are prepared with:

- competencies required to pursue the Certified Health Education Specialist certification
- foundational knowledge in nutrition, physical activity and stress for chronic disease prevention
- knowledge, skills and ethics for assessing and understanding group and community health needs
- methods for helping people make health behavior changes and teaching people about health risks and behaviors
- skills in designing, implementing, administering and evaluating effective health promotion programs in worksite, community, health care and agency settings

A distinctive aspect of the health promotion concentration is an outstanding capstone internship that provides preprofessional experience in health promotion settings.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra/170

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The rising cost of health care has increased the need for individuals with the skills and abilities to provide health education and health promotion programs. As health care costs continue to rise, insurance companies, employers and governments are attempting to find ways to curb costs. One of the more cost effective ways is to employ health promotion professionals to teach people how to live healthy lives and avoid costly treatments for illnesses. Health promotion professionals work in various environments based on the industry in which they are employed. In public health, nonprofit organizations, corporations and businesses, colleges and universities and medical care settings, they primarily work in offices. However, they may spend a lot of time away from the office implementing and attending programs, meeting with community organizers, speaking with patients or teaching classes.

Undergraduates in this concentration often pursue careers in such fields as:

- college and university wellness and health promotion
- government health departments and agencies
- health and wellness coaching
- nonprofit disease prevention agencies
- private health care organizations
- wellness centers
- worksite wellness and health promotion

Students may also pursue further graduate study in such fields as:

- dentistry
- health education
- health promotion
- health psychology
- medicine
- occupational therapy
- physician assistant
- public health

Advanced degrees or certifications may be required for academic or clinical positions.

Contact Information:

Health Solutions, College of

School of Nutrition and Health Promotion

<https://snhp.asu.edu/>

MERCC C250

healthpromotion@asu.edu

602-496-3300

Health Education and Health Promotion, BS (NHHEHPBS)

Campus: DTPHX

Program Description:

The BS in health education and health promotion provides students a pathway to become a certified health education specialist (CHES certification), and it is the only undergraduate program at ASU designed specifically to provide professional preparation as a health educator. Students will gain the knowledge, skills, and expertise to develop and deliver programs that increase awareness about healthy lifestyle behavior, improve health behaviors, lessen unhealthy behaviors and create environments supportive of healthy lifestyles. Students are prepared in foundational knowledge related to nutrition, physical activity and stress management for chronic disease prevention; methods for helping people make healthy behavior changes; knowledge, skills and ethics for assessing and understanding group and community health needs; skills in designing, implementing, administering and evaluating effective health promotion programs in worksite, community, health care and agency settings and competencies required to pursue the certified health education specialist certification. A distinctive aspect of this degree is an outstanding

senior capstone internship that provides preprofessional experience in health promotion settings.

Additional Program Fee: Y

Second Language Requirement: N

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The rising cost of health care has increased the need for individuals with the skills and abilities to provide health education and health promotion programs. As health care costs continue to rise, insurance companies, employers and governments are attempting to find ways to curb costs. One of the more cost effective ways is to employ health education and health promotion professionals to teach people how to live healthy lives and avoid costly treatments for illnesses. Health promotion professionals work in various environments based on the industry in which they are employed. In public health, nonprofit organizations, corporations and businesses, colleges and universities and medical care settings, they primarily work in offices. However, they may spend a lot of time away from the office implementing and attending programs, meeting with community organizers, speaking with patients or teaching classes.

Undergraduates in this concentration often pursue careers in such fields as:

- college and university wellness and health promotion
- community health agencies
- hospitals and medical facilities
- insurance companies
- nonprofit disease prevention agencies
- private health care organizations
- schools
- state and county health departments
- wellness centers
- worksite wellness and health promotion

Students may also pursue further graduate study in such fields as:

- health education
- health promotion
- health psychology
- medical and dental careers (with additional elective sciences)
- public health
- social work

Advanced degrees or certifications may be required for academic or clinical positions.

Contact Information:

Health Solutions, College of

School of Nutrition and Health Promotion

<http://healthpromotion.asu.edu/exerciseandwellness>

MERCC 250

healthpromotion@asu.edu

602-496-3300

Health Sciences (Health Policy), BS (NUHSCHPBS)

Campus: DTPHX

Program Description:

The BS in health sciences is designed to provide the academic knowledge and skills to allow students to move directly into a range of employment opportunities within the health field or continue their education in discipline-specific programs. Students will complete a complement of core courses that emphasize ethics, communication skills, critical thinking and cultural awareness.

The health policy program is designed for students interested in the community policy aspects of disease prevention and health promotion. The continuum of health care now spans a diverse array of health providers ranging from private practitioner offices and outpatient care centers to residential care facilities and acute care hospitals. Key to the enhancement of health care within the U.S. is the development and implementation of innovative, cost effective and universally accessible programs. Students in this concentration will be required to complete a supervised practicum, providing hands-on experience within their field of interest. Students may also wish to consider using their electives to complete a minor in nonprofit administration, which requires 15 credits.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Career opportunities are available in city, county and state departments of health, with additional employment opportunities in the health insurance industry, nonprofit sector and within various corporate entities providing health care.

Contact Information:

Health Solutions, College of

School of Nutrition and Health Promotion

<https://snhp.asu.edu/>

MERCC C250

healthpromotion@asu.edu

602-496-3300

Health Sciences (Healthy Lifestyles Coaching), BS (NUHSCHLCBS)

Campus: DTPHX, ONLINE

Program Description:

The BS in health sciences is designed to provide the academic knowledge and skills to allow students to move directly into a range of employment opportunities within the health field or continue their education in discipline-specific programs. Students will complete a complement of core courses that emphasize ethics, communication skills, critical thinking and cultural awareness. The healthy lifestyles coaching emphasis brings together course work from exercise and wellness, nutrition and health sciences, to give students a strong background in preventative health care. It also is designed to meet the prerequisites for students planning to pursue a bachelor of science in nursing.

The program allows students to explore a range of interests in health education and is designed for students who are seeking immediate employment in the community health education or health promotion fields.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)
International (<https://students.asu.edu/international/future>)
Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Career options include positions such as:

- elder service or congregate meal program coordinator
- health and patient educator
- Healthy Start or corporate wellness coordinator
- school health and nutrition program specialist
- women, infants, children and community nutrition aide

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<https://snhp.asu.edu/>
MERCC C250
healthpromotion@asu.edu
602-496-3300

Health Sciences (Pre-professional), BS (NUHSCPREBS)

Campus: DTPHX

Program Description:

The BS in health sciences is designed to provide the academic knowledge and skills to allow students to move directly into a range of employment opportunities within the health field or continue their education in discipline-specific programs. The preprofessional program is designed for students planning to enter medical, dental, osteopathic, physical therapy, veterinary, pharmacy and similar professional schools. In addition to a comprehensive core of basic science courses, the concentration is unique in that it will provide a solid base in ethics; communication; the evaluation of research (the cornerstone of evidence-based practice); and healthy lifestyles (the foundation of health promotion and chronic disease risk reduction avenues of health care), including the role of complementary and alternative care within the U.S. health care system. Students will also have the ability to incorporate electives that contribute to their knowledge of and sensitivity to the needs of populations impacted by health disparities.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

If not entering an advanced degree program in the medical field, employment opportunities include:

- clinical research coordinator
- health officer
- sales and marketing representative for pharmaceutical or medical device companies

Contact Information:

Health Solutions, College of
 School of Nutrition and Health Promotion
<https://snhp.asu.edu/>
 MERCC C250
healthpromotion@asu.edu
 602-496-3300

Health Systems Management, BS (TSHSYMBS)

Campus: POLY

Program Description:

The BS in health systems management provides students with a unique opportunity to develop a marketable skill set via a multidisciplinary educational approach to the development of health care leaders, technologists and entrepreneurs. The flexible program allows students to select one of two focus areas, technology entrepreneurship management and information technology management. The degree develops graduates whose decisions are evidence-based, a critical skill as health systems evolve. Students will receive a strong foundation in health systems, technology, and business, consumer-behavior associated with health, with an emphasis on innovation and service development. Program graduates will have the skills to transform the current health care system or individual health care organizations to become more efficient and agile by improving processes, adopting best practices, evaluating and adopting technologies. Graduates will lead such organizations and systems to become more competitive globally.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 119 - Finite Mathematics

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates of the program are well-qualified for careers in the management of health systems. This degree couples technical skills with the business skills needed to manage complex health systems. The focus area of information technology management allows the graduate to pursue a career in technical support administration for various health systems, which will address information assurance, securing computer applications, and security of communication and information. These skills are combined with knowledge of computer systems and networking design, configuration and administration. The process innovation focus area provides students with the opportunity to analyze and improve processes and practices, as well as generate and evaluate products and services for the health system enterprise. Students will be able to pursue careers in marketing and consumer behavior as it relates to health systems. Careers in health systems operations and social entrepreneurship will be available to these students.

Contact Information:

Health Solutions, College of
 School for the Science of Health Care Delivery
<https://chs.asu.edu/shcd>
 MERCC 250
chs@asu.edu
 602-496-3300

Kinesiology, BS (NUKINBS)

Campus: DTPHX

Program Description:

Kinesiology is a discipline emphasizing the study of movement as it relates to physical activity, health and disease prevention, and exercise. Using both human and animal models and reflecting research ranging from basic to applied, it draws from an interdisciplinary body of knowledge grounded in the biological, psychological, physical and social sciences

Undergraduate students in the program gain a disciplinary knowledge of the anatomical, biomechanical, developmental, neural, physiological and psychological mechanisms underlying human movement.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshmen admission requirements:

- completion of 16 Arizona Board of Regent core competency courses and
- 22 ACT or 1040 SAT or top 25 percent of high school class or 3.0 GPA in Arizona Board of Regents core competency courses

Applicants not meeting the above standards will be considered through a process of Individual Review, a review of all available academic information.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

An undergraduate degree in kinesiology prepares students for graduate study in a variety of clinical and research settings including:

- chiropractic
- dentistry
- kinesiology
- medical school
- occupational therapy
- physical therapy
- physician assistant

Contact Information:

Health Solutions, College of

School of Nutrition and Health Promotion

<https://snhp.asu.edu/>

NHI2 400

kinesiology@asu.edu

602-496-3300

Medical Studies, BS (NHMEDBS)

Campus: DTPHX

Program Description:

The BS in medical studies is an interdisciplinary program exploring the various facets of medical studies to include sciences, social sciences,

humanities, statistics and other disciplines as they relate to health, health care, and complementary fields.

The course work will be interdisciplinary to adapt to the changes in the MCAT and medical education in general, while allowing students to explore various facets of what constitutes medical studies.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Students graduating from this program will be academically prepared and well-rounded with the foundation needed for innumerable career paths in sectors such as:

- allied health
- business development within a health or medical setting
- dentistry
- medical academia
- medical administration
- medicine
- health advocacy
- health care industry (e.g., product development, insurance providers)
- health care policy
- health information
- patient support services

Additionally, students may pursue further education with an MD, resulting in a career as a:

- allied health staff member
- business development within health or medical sector
- doctor
- financial officer within health or medical enterprise
- medical administrator
- medical academic
- medical or health policymaker
- medical technology or business developer
- health advocate
- health care system designer
- health information technology developer
- hospital staff member
- patient support services representative

Many other career options may be available.

Contact Information:

Health Solutions, College of

College of Health Solutions

<https://chs.asu.edu/medstudies>

NH12 5th Floor, CHS Dean's office

med@asu.edu

602-496-3300

Nutrition (Dietetics), BS (ECNTRDBS)

Campus: DTPHX

Program Description:

The BS in nutrition with a concentration in dietetics provides all the academic course work a student needs to qualify to become a registered dietitian, which is a food and nutrition expert. In addition to a core of professional nutrition courses, students will complete a broad range of science, management and communication classes. The program emphasizes the application of nutrition within clinical, community, food production and wellness areas. Graduates can apply for a dietetic internship, which is required to take the exam to become a registered dietitian. More information about this credential and the requirements for this credential can be found at: <http://www.eatright.org/BecomeanRDorDTR/content.aspx?id=8092> (<http://www.eatright.org/BecomeanRDorDTR/content.aspx?id=8092>).

ASU's bachelor's in nutrition with a concentration in dietetics program is accredited as a Didactic Program in Dietetics by the Accreditation Council for Education in Nutrition and Dietetics, 120 S. Riverside Plz., Ste. 2000, Chicago, IL 60606-6995.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Career Opportunities:

The nutrition and dietetics field provides employment opportunities in:

- consulting
- education
- food and nutrition marketing and sales
- hospitals and other health care facilities
- nutrition and health promotion
- public health agencies
- school food service

Contact Information:

Health Solutions, College of

School of Nutrition and Health Promotion

<https://snhp.asu.edu/>

NHI2

healthpromotion@asu.edu

602-496-3300

Nutrition (Food and Nutrition Management), BS (ECNTRMBS)

Campus: DTPHX

Program Description:

The food and nutrition management concentration is designed to provide students with an understanding of the food industry and the ability to apply nutrition principles to food production. Students will learn to manage and market food and develop a food or menu that meets a specific nutrition guideline.

Course work focuses on a strong foundation in food purchasing, production and planning. Additional course work in management, marketing and nutrition prepares students for a variety of food service positions. Graduates can also pursue the credentials of certified dietary manager, school nutrition specialist or registered sanitarian.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (<https://students.asu.edu/freshman/requirements>)
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)
International (<https://students.asu.edu/international/future>)
Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

According to the National Restaurant Association, the number of food service managers is projected to increase by 15 percent in the next 10 years. This degree prepares students to become food service directors at schools, health care facilities and corporate food service operations. Our graduates aspire to own restaurants or nutrition-related businesses, work in supplement or pharmaceutical sales, or work in food marketing and distribution.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<https://snhp.asu.edu/>
NHI2
healthpromotion@asu.edu
602-496-3300

Nutrition (Food and Tourism Management), BS (ECNTFTMBS)

Campus: DTPHX

Program Description:

The concentration in food and tourism prepares students for careers in the field of food and tourism management. Courses from the School of Nutrition and Health Promotion (College of Health Solutions) and the School of Community Resources and Development (College of Public Programs) will provide students with the skills and knowledge to develop, implement and sustain healthy, cost effective food service operations within the tourism industry.

Additional Program Fee: Y
Second Language Requirement: N
Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (<https://students.asu.edu/freshman/requirements>)
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)
International (<https://students.asu.edu/international/future>)
Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

This program is beneficial for students interested in seeking careers as food service directors in resorts, parks, convention centers and a variety of other tourism venues around the globe.

Contact Information:

Health Solutions, College of

School of Nutrition and Health Promotion
<https://snhp.asu.edu>
NHI2
healthpromotion@asu.edu
480-496-3300

Nutrition (Human Nutrition), BS (ECNTRHBS)

Campus: DTPHX

Program Description:

The human nutrition concentration, under the BS in nutrition, provides students with a strong foundation in nutrition and science. Students in this concentration usually intend to apply to medical school or another health profession. In addition to providing a strong foundation in medical nutrition therapy, the course work includes anatomy, physiology, chemistry and microbiology. Students gain knowledge of nutritional concepts that health care professionals sometimes lack.

Students from this program have gone on to study:

- dentistry
- medicine
- naturopathic medicine
- optometry and podiatry
- osteopathic medicine
- pharmacy

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Career Opportunities:

The nutrition field provides employment opportunities in:

- education
- food and nutrition marketing and sales
- food service
- health care
- nutrition and health promotion and consulting
- public health

Graduates of the human nutrition program often go on to apply to medical school or another health profession. The area of nutrition research is also a good fit for human nutrition majors. Several outstanding scientists have received their bachelor's from this program; add a master's or a doctorate, and the opportunities within the research field are unlimited.

Contact Information:

Health Solutions, College of
School of Nutrition and Health Promotion
<https://snhp.asu.edu/>
NHI2
healthpromotion@asu.edu

Nutrition (Nutrition Communication), BS (ECNTRCBS)

Campus: DTPHX, ONLNE

Program Description:

The nutrition communication concentration, under the BS in nutrition, was originally developed in collaboration with the Walter Cronkite School of Journalism and Mass Communication. While focusing on basic human nutrition, students take classes designed to build a foundation toward becoming expert communicators on issues related to food, health and nutrition.

Nutrition courses provide the content for articles students write in their communication-related classes. This degree program provides students with a strong understanding of the scientific method, statistics, nutrition, health care, and wellness that many traditional journalists lack. Faculty members teach students how to avoid sensationalism or sacrificing reality to get a better story.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The nutrition communication field offers employment opportunities with:

- community and health care agencies
- magazines
- newspapers
- private corporations (public relations firms)
- Web-based companies

With this degree, graduates can pursue careers as:

- authors
- consultants in program or product development
- freelance writers for newspapers and magazines
- public relations representatives for food and beverage companies

Contact Information:

Health Solutions, College of

School of Nutrition and Health Promotion

<https://snhp.asu.edu/>

NH12

healthpromotion@asu.edu

602-496-3300

Public Health, BS (NHPBHBS)

Campus: DTPHX

Program Description:

The BS in public health offers a multidisciplinary core of courses designed to prepare students for entry-level positions in the field of public health and to further their education through the MPH and other graduate degrees. Students will gain the knowledge and skills to improve the health and well-being of people and populations through the prevention and risk reduction of communicable and noncommunicable diseases, environmental protection and health promotion. Students will also be prepared to work with persons and populations of diverse socioeconomic, racial, ethnic and national origins, as well as design and implement policies to ensure equal access to health care.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates of this program will qualify for entry-level positions in public health education, sanitation and environmental control, public health administration, health promotion and similar areas. Employment opportunities are available within national, state or local health departments; community clinics, community or private advocacy groups, health education programs and nonprofit organizations.

Contact Information:

Health Solutions, College of

School for the Science of Health Care Delivery

<http://chs.asu.edu/shcd/pbh>

NH12 519

shcd@asu.edu

602-496-3300

Science of Health Care Delivery, BS (NHHCDBS)

Campus: DTPHX

Program Description:

U.S. health care spending reached \$2.7 trillion in 2011 and has continued to grow by four percent annually. Despite health care spending, the U.S. health care system ranks 37th of 191 countries according to its performance. Furthermore, the U.S. health care delivery system involves a complex relationship between payers, providers and patients. Addressing these issues requires a well-trained and knowledgeable workforce to improve health care quality and outcomes while also increasing the efficiency of the delivery system.

This is a unique curriculum that attracts students interested in global systems, sciences and health. The BS in the science of health care delivery targets undergraduate students interested in pursuing careers in health care administration, leadership or management. Qualified students may also be interested in graduate degrees or certifications in health care.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates of this program will qualify for entry-level positions in process management, health care management and leadership, health services research, health administration, and quality improvement in health care organizations. Graduates will also be prepared for entry-level positions in risk management, the pharmaceutical industry, health insurance, government and regulatory agencies, and professional organizations.

Contact Information:

Health Solutions, College of
School for the Science of Health Care Delivery
<https://chs.asu.edu/shcd>
NH12 519
shcd@asu.edu
602-496-3300

Speech and Hearing Science, BS (LASHSBS)

Campus: TEMPE

Program Description:

Students in the BS in speech and hearing science program study the normal aspects of the communication process. Emphasis is placed on:

- anatomy and physiology of the hearing mechanism
- speech, language and hearing science
- the human communication system, including normal development of speech and language

Graduates attain broad-based knowledge in the basic aspects of speech, language and hearing sciences, which prepares them for graduate studies in audiology or speech language pathology.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Employment opportunities for those with a bachelor's may include positions as:

- management trainees
- research assistants or associates in behavioral disciplines
- speech-language pathology assistants

Primarily, a degree in this field prepares the student for entrance into a graduate program in speech-language pathology or audiology. In both fields, a graduate degree is required for employment.

The undergraduate degree in speech and hearing science is also excellent preparation for those who wish to enter professional or graduate programs, such as in:

- education
- law
- medicine
- rehabilitation
- special education
- teaching for the deaf

Graduates in speech-language pathology and audiology can work in a variety of settings, including:

- clinics
- hospitals
- schools

Contact Information:

Health Solutions, College of
Department of Speech and Hearing Science
<https://shs.asu.edu/>
COOR 2211
shsinfo@asu.edu
480-965-2374

Honors - Barrett, The Honors College

Honors College, (9HOHONALL)

Campus: DTPHX, POLY, TEMPE, WEST

Program Description:

ABOUT THE COLLEGE

Barrett, The Honors College at ASU is a selective, residential college that recruits academically outstanding undergraduates. Named "Best Honors College," this honors community is known nationally for the number of National Merit Scholars and recipients of prestigious fellowships such as the Rhodes, Truman, Fulbright, Marshall, Goldwater, NSEP and Udall. Barrett students benefit from a \$10 million endowment used exclusively to support honors students and their projects. The Barrett honors experience is unique, with the advantage of students experiencing a small, intellectually and socially vibrant environment while having access to the vast resources of the major research university that is ASU. Barrett students are members of a small community of scholars who benefit from personalized attention, dedication and access to Barrett deans; 34 Faculty Fellows within the college; more than 1,700 faculty members who teach honors students university-wide; and 52 staff members on all four campuses. Barrett students may major in any field offered at any of the university's four campuses, which also offer a vibrant honors residential component, academic and cocurricular experiences, and faculty and staff support. In the fall of 2009, Barrett opened the nation's first comprehensive four-year residential honors college within a top-tier Research I university. The \$130 million nine-acre honors campus community includes 12 classrooms; 1,700 beds; a community center (with student lounges, activity rooms, computer labs and a fitness center); a dining center with signature refectory and cafe and all the Barrett Faculty Fellows and administration offices. Barrett students on the Polytechnic, West and Downtown campuses also enjoy the benefits of living in expanding honors communities with new residence halls, student life amenities and honors community facilities on these campuses.

PROGRAM REQUIREMENTS

Barrett welcomes applications from highly-motivated, high-achieving, academically strong high school seniors and transfer students, as well as students currently enrolled at ASU. Prospective students may apply to Barrett after they have submitted an application to ASU. Admission information and the online application are available on the Barrett website. Barrett students complete a challenging honors curriculum through a combination of honors-only seminars, honors enrichment contracts, internships, research, honors study abroad and a culminating honors thesis or creative project. Generally, students complete 36 hours of honors credits within the 120 credit hours required to earn a bachelor's degree. Details regarding the academic requirements can be viewed using the major map. Current ASU and transfer students can apply for the second semester of the freshmen year and the first semester of the junior year.

STUDENT OPPORTUNITIES

Barrett students take advantage of an array of opportunities that enrich the honors experience. They participate in study abroad programs that enable them to enjoy small classes taught by Barrett faculty and experience different cultures while earning honors credits. Other travel opportunities range from turn-around trips to Sedona and local Arizona destinations to overnight trips to San Diego or ski trips to Colorado. Great American Cities is one of the most popular travel programs with visits to cities like Boston, New York, New Orleans, Anchorage and Miami to engage in a service project and soak in the history, culture and great food at each destination! Barrett students receive national and international graduate scholarships such as Rhodes, Fulbright, Truman and Marshall scholarships. They secure unique internship opportunities with companies like Goldman Sachs, JP Morgan and Johnson and Johnson, as well as opportunities to work in Washington D.C. on a senate finance committee for example, or work in supply chain management at Target. Barrett students also seek undergraduate research opportunities and work with professors university-wide, who connect them to faculty or physicians conducting cutting-edge research at places like the Mayo Clinic and Biodesign Institute. Through a partnership with the Sandra Day O'Connor College of Law, Barrett students have the opportunity to take second-year law school classes in our Project Excellence program.

Barrett students create for themselves meaningful student-driven programs and services that inspire both individual growth and impact on a local, national and international scale. Last year students organized 'thank-you note' parties for veterans and victims of breast cancer. They donated prom dresses as part of the Cinderella Affair and donated 1000 pounds of clothing and accessories to a local teen resource center during move-out. Many students participate in student government activities through the Barrett Honors College Council or other clubs on all four campuses. There is a strong Barrett Mentoring Program with more than 600 participants who mentor incoming Barrett freshmen. Other popular activities include Lunch with the Dean, Dinner with Faculty night; the Ladies Tea at the University Club; or Movie nights where we take over a local theater house and watch a movie premier. Our downtown Phoenix campus hosts a fantastic Urban Tour Series with visits to the Orpheum theater and world renowned Heard museum. Our West campus, through Partners in the Park, hosts a variety of academic adventures at national parks across the country and our Polytechnic campus is known for its Innovation Showcase, a massive exhibition of student projects that demonstrate how students are solving real-world problems with innovative solutions. The campus also hosts Family Science nights at a local grade school.

Additional Program Fee: Y

Second Language Requirement: N

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students who have demonstrated high levels of academic achievement in high school or college may apply for admission to Barrett. Each candidate must file an application to the college separate from the ASU application, in accordance with the appropriate Barrett deadlines.

Applicants are evaluated on the basis of their academic records, high school class ranks and performances on the SAT or ACT. The college also values students who have special talents and aptitudes, exhibit exceptional leadership qualities, have had unusual life experiences or display significant community involvement.

The Barrett admissions application and additional information about the college and its activities are available at <http://barretthonors.asu.edu> (<http://barretthonors.asu.edu>).

Contact Information:

Honors - Barrett, The Honors College

The Barrett Honors College

<http://barretthonors.asu.edu/>

SGHAL 101

480-965-4033

Interdisciplinary Arts & Sciences, New College of

American Studies, BA (ASAMSBA)

Campus: WEST

Program Description:

The BA in American studies is one of the oldest interdisciplinary programs of study within the New College of Interdisciplinary Arts and Sciences and the only American studies degree in the entire state. This is a place for rigorous and adventurous conversations of American culture, politics and history, exploring knowledge beyond disciplinary boundaries, bringing differing perspectives and understandings into dialogue with one another, and generating a unique level of intellectual rigor and excitement.

To this end, our goals in American studies are to:

- create a community of learning through classroom instruction, internship and study abroad experiences, program field trips, activities and lectures
- encourage knowledge and innovation in course work as well as the capstone thesis project
- help students synthesize and critically evaluate knowledge from diverse fields about American history and culture

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Interdisciplinary Studies (MA)

Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Cochise College (<http://transfer.asu.edu/cochise>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Graduates are well equipped to embark on a wide variety of careers in government, education, business, museum and foundation work; journalism and other forms of professional writing, and in other areas where these capabilities are highly valued and sought. The program also serves as excellent preparation for law school and for graduate programs in fields such as:

- American studies
- art history
- English
- history
- journalism

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/majors/american-studies-program>

FAB N201

harcs.dept@asu.edu

602-543-4444

Applied Computing, BS (ASACOBS)

Campus: WEST

Program Description:

The BS in applied computing, within the New College of Interdisciplinary Arts and Sciences, prepares students to:

- allow for efficient, effective and ethical user interaction with computer systems
- apply skills to lead the development of technology systems
- collect and analyze data
- develop and assure quality and value of information
- engage in creative efforts

The program has a technical component, concerned with the design and use of appropriate systems and technologies, and a social sciences component, concerned with understanding how people seek, obtain, evaluate, use and categorize information. The lower-division course requirements provide students with a solid foundation in computer science. At the upper-division, students have a depth of choices in courses covering database systems and computer networks.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Students are prepared to integrate technology with human activities, respond to global changes, solve problems, and create and manage the technological production of information and creative products. Core information technology industries are among the fastest growing sectors in the U.S. economy. Graduates will find employment opportunities with corporations and businesses, nonprofit and government agencies, digital arts media industries and in the academic world.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Mathematical and Natural Sciences

<http://newcollege.asu.edu/mns/degrees/computing/applied-computing-program>

FAB N100

MNS@asu.edu

602-543-6050

Applied Mathematics, BS (ASMATBS)

Campus: WEST

Program Description:

The BS in applied mathematics is an interdisciplinary program that provides students with a broad and rigorous foundation in applied mathematics. The program emphasizes an education in quantitative problem-solving and critical thinking, through a survey of courses exposing students to a wide variety of mathematical theories, techniques and applications currently used by analysts and researchers in government, industry and nonprofit organizations. Students will complete a capstone project involving real-world problems, under the supervision of an advisor and in close consultation with an external project sponsor.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Graduates have a wide range of career options in industry, finance, government, nonprofit organizations and education. They also may pursue advanced degrees in the mathematical sciences (e.g., mathematics, statistics and computer science), and their career interests would suggest the appropriate degree tracks and choice of courses, such as:

- applied mathematical networks
- financial mathematics
- general applied mathematics
- mathematical biology
- operations research

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Mathematical and Natural Sciences

<https://newcollege.asu.edu/>

FAB N100

MNS@asu.edu

602-543-6050

Applied Science, BAS (ASBASBAS)

Campus: WEST

Program Description:

The BAS in applied science combines the technical concentration knowledge earned in the student's completed associate of applied science degree with a broader education gained at the bachelor's level of education. Included in the program of study is an area of concentration (using an approved ASU minor or creating a concentration that is completely individualized) unique to the student's own interests and career pursuits. For example, the area of concentration can include, but is not limited to:

- business
- communication
- criminal justice and preprofessional studies
- education and teaching
- environmental issues and physical sciences
- languages and cultures
- social sciences and policy issues

This program allows students who have earned an AAS from an accredited institution to transfer 60 credit hours toward a BAS at ASU. Students transferring from a regionally accredited Arizona public community college can transfer up to 15 additional credit hours of general studies courses (75 credit hours total). Students pursuing the 75-credit option may have more than 45 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students should work with their academic advisor to ensure their courses will meet degree requirements.

The program includes a capstone project.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Interdisciplinary Studies (MA)

Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree. This program is not available for freshmen.

Career Opportunities:

Emphasizing professional study combined with a specific area of concentration (e.g., business, communication studies, English, gerontology, history, psychology or preprofessional studies), students tailor their programs to meet individualized career goals. The capstone internship program prepares students to make the transition smoothly to postbaccalaureate employment in business, cultural, educational, community and human service settings as well as to graduate school. Students planning graduate or professional degrees in law, business, social sciences, helping professions or in traditional disciplines benefit from the flexibility of this program for a broad range of future academic and career pursuits.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/majors/applied-science-program>

FAB N201

harcs.dept@asu.edu

602-543-4444

Communication, BA (ASCOMMBA)

Campus: CALHC, WEST

Program Description:

Communication is an extensive field involving the exploration of messages and their various meanings. Such exploration occurs in countless ways, including the study of messages between:

- employees in organizations
- individuals in relationships
- media and their respective audiences
- members of different cultures
- social institutions and their constituents

The BA in communication prepares students to work in communications-intensive careers, such as:

- corporate communications
- crisis management
- customer relations
- health communication
- human resources management
- media relations
- new media
- public relations
- training

It readies graduates to perform various forms of data analysis, communication assessment and technical reporting. It also prepares students for

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graduate study in the social sciences, law, humanities and management.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Communication Studies (MA)

Interdisciplinary Studies (MA)

Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Central Arizona College (<http://transfer.asu.edu/central-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Communication is a broadly based discipline that trains individuals to speak and write competently, manage relationships well, effectively problem-solve, and understand the role and function of communication in public forums, organizational settings, relational exchanges and intercultural situations. Because these skills are crucial to many professions, communication graduates work in a variety of fields, including:

- advertising
- customer service and customer relations
- education
- fundraising
- health and human services
- human resources
- international service
- legal professions
- lobbying
- management
- marketing
- media and public relations
- mediation
- ministry
- personnel
- public administration
- public advocacy
- public office
- public relations
- research
- sales
- social media design and implementation

- speech writing
- training and development

Contact Information:

Interdisciplinary Arts & Sciences, New College of
 School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/communication-program>
 FAB S105
 SBSadvising@asu.edu
 602-543-6058

Communication, BS (ASCOMMBS)

Campus: WEST

Program Description:

Communication is an extensive field involving the exploration of messages and their various meanings. Such exploration occurs in countless ways, including the study of messages between:

- employees in organizations
- individuals in relationships
- media and their respective audiences
- members of different cultures
- social institutions and their constituents

The BS in communication prepares students to work in communications-intensive careers, such as:

- corporate communications
- crisis management
- customer relations
- health communication
- human resources management
- media relations
- new media
- public relations
- training

It readies graduates to perform various forms of data analysis, communication assessment and technical reporting. It also prepares students for graduate study in the social sciences, law, humanities and management.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: Moderate

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Communication Studies (MA)
- Interdisciplinary Studies (MA)
- Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Communication is a broadly based discipline that trains individuals to speak and write competently, manage relationships well, effectively problem-solve, and understand the role and function of communication in public forums, organizational settings, relational exchanges and intercultural situations. Because these skills are crucial to many professions, communication graduates work in a variety of fields, including:

- advertising
- customer service and customer relations
- education
- fundraising
- health and human services
- human resources
- international service
- legal professions
- lobbying
- management
- marketing
- media and public relations
- mediation
- ministry
- public administration
- public advocacy
- public office
- public relations
- research
- sales
- social media design and implementation
- speech writing
- training and development

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<http://newcollege.asu.edu/sbs/degrees/communication-program>

FAB S105

SBSadvising@asu.edu

602-543-6058

English, BA (ASENGBA)

Campus: WEST

Program Description:

The primary mission of the English program is undergraduate education. Graduates should be able to write clearly and effectively, to think critically and to construct well-supported rational arguments. They should gain an awareness of genre, should be able to take a critical approach to texts and should learn to shape their discourse to suit their intended audience.

The program provides students with a balanced overview of major literature in the English language and an awareness of the role of literary discourse in broader social and historical contexts.

The program stresses the formal aesthetic qualities of texts and the issues of class, gender, race and ethnicity relating to literary representation. It provides students a familiarity with standard literary critical terminology and an awareness of a variety of theoretical approaches to literary study. It relates works of literature to historical events, cultural patterns, philosophical and theological concepts, and technological innovations.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all

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applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Interdisciplinary Studies (MA)

Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Cochise College (<http://transfer.asu.edu/cochise>)

Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities:

The BA in English prepares students for graduate and professional training, including law, business, teaching and public policy. With breadth and emphasis on the communication of ideas, it serves as an excellent point of departure for careers in:

- community work
- diplomacy
- government
- marketing
- public relations

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/majors/english-studies-program>

FAB N201

harcs.dept@asu.edu

602-543-4444

English (Secondary Education), BA (ASENGSEBA)

Campus: WEST

Program Description:

The BA in English with a concentration in secondary education provides rigorous content in literature, composition, linguistics and secondary teaching pedagogy. This program provides extensive preparation for meeting the needs of all student populations, including attention to levels of academic performance, and cultural and linguistic diversity. Students finish the program with Arizona Department of Education certification for middle and high school English language arts. Fingerprint clearance and a background check is required in the second year of the program.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all

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applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Students graduating with a bachelor's in English with a concentration in secondary education will have tremendous opportunities for employment. With more than one million students in a state ranked seventh in the nation in population growth, the need for certified teachers in Arizona is self-evident. Arizona State University provides more of those teachers than any other institution of higher education. Over the last 15 years, ASU grads have had their pick of teaching jobs around the valley and in the state. After student teaching in school districts in the greater Phoenix area or on one of the 22 Native American nations, students are often hired to teach in the same school in which they completed their internship. New teachers will continue to be in demand because the predicted rate of population growth in Arizona is still strong and the retirement rate of teachers is increasing.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/humanities-arts-cultural-studies-degree-programs>

FAB N201

harcs.dept@asu.edu

602-543-4444

Ethnicity, Race and First Nations Studies, BA (ASETHBA)

Campus: WEST

Program Description:

The BA in ethnicity, race and First Nations studies is the first such program in Arizona. It provides an integrated, comparative and comprehensive approach to the study of diversity among ethnic and racial groups and First Nations. A highlight of the program is the internship, which fosters direct links between the university and community-based settings. Both theoretical and applied perspectives are embedded in a curriculum addressing how ethnicity, race and First Nations shape identities, literacies, public policies and communities in local and transnational U.S. contexts. Students identify a career area enabling them to integrate their knowledge with specific course work tied to their career and advanced educational goals.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Interdisciplinary Studies (MA)

Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Cochise College (<http://transfer.asu.edu/cochise>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities:

Rapid socioeconomic change, changing demographics, increased global competition and rapid cultural diversification have created an increasing need for workers and citizens knowledgeable about diverse ethnic and racial groups. Graduates of the undergraduate ethnicity, race and First Nations studies program will be positioned to enter the workforce and function effectively and critically as informed citizens in a diverse and complex society.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/majors/ethnicity-studies-program>

FAB N201

harcs.dept@asu.edu

602-543-4444

Forensics, BS (ASFOREBS)

Campus: WEST

Program Description:

The program prepares students to pursue careers in forensics laboratories and in the research and development of new technologies in forensics. The degree places emphasis on chemistry and biology laboratory course work as both provide experience with essential techniques commonly used in crime labs. The degree also places focus on oral communication skills that will prepare graduates for the multifaceted, interdisciplinary aspects of their careers in forensics (e.g., providing articulate and compelling expert testimony in criminal trials).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Career opportunities for graduates of this program include employment in crime laboratories, police departments, government agencies, law firms, insurance companies, hospitals and consulting firms. Graduates of the program will also be well qualified to pursue graduate studies in relevant areas of the natural sciences.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Mathematical and Natural Sciences

<http://newcollege.asu.edu/mathematical-natural-sciences-degree-programs>

FAB N101

mns@asu.edu

History, BA (ASHISBA)

Campus: WEST

Program Description:

The mission of the BA program in history is to introduce students to a broad span of history, both temporally and geographically, ranging from the ancient world through the modern period, and extending from Europe to Latin America and the United States. Aside from learning about the origins and development of various peoples, ideas, and institutions of the past, students engage in the practice of history as they learn how to conduct original research, analyze historical evidence, and formulate arguments in writing while drawing upon a wide array of historiographical perspectives and methodological approaches. Graduates will be well prepared to pursue professional careers as secondary teachers, journalists, editors, lawyers and civil servants.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Interdisciplinary Studies (MA)

Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Cochise College (<http://transfer.asu.edu/cochise>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

The bachelor's in history serves as excellent preparation for study in graduate or professional degree programs and for careers in which critical thinking, research and writing skills are highly valued. This program provides a strong foundation for understanding the forces of change that shape contemporary society, the marketplace and the lives of individuals and groups, thereby equipping students to negotiate the complex cultural, community and business environments of the 21st century.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/majors/history-studies-program>

FAB N201

harcs.dept@asu.edu

602-543-4444

History (Secondary Education), BA (ASHISSEBA)

Campus: WEST

Program Description:

The secondary education concentration within the history BA offers a flexible degree to students of history who are considering a career in education. The concentration fully prepares students for teaching and certification. At the same time, the concentration provides all the disciplinary knowledge of a traditional history degree and prepares students for a variety of non-education careers. By developing strong critical reading, writing and research skills as well as skills in oral presentation, the concentration creates a solid foundation for graduate work in history, law or business.

The secondary education concentration in history provides content necessary to understand history in all its breadth and depth, both temporally and geographically. Graduates of this program will have solid pedagogical tools at their disposal and a strong foundation in historical content as they enter the workforce.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities: The demand for well-prepared secondary teachers is strong and job opportunities in a fast growing state such as Arizona are numerous. The secondary education concentration within the history bachelor's prepares graduates to successfully teach middle or high school students in charter, private and public schools. In addition, graduates from this program will know how to find and evaluate evidence, form arguments and present analysis - skills essential to careers in law and law enforcement, social work, business, education, medicine and government.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/humanities-arts-cultural-studies-degree-programs>

FAB N201

harcs.dept@asu.edu

602-543-4444

Interdisciplinary Arts and Performance, BA (ASIAPBA)

Campus: WEST

Program Description:

The BA in interdisciplinary arts and performance is the only program of its kind in the Southwest, offering students the opportunity to focus on an interdisciplinary and collaborative approach to the arts, technology and performance. Core and elective courses are offered in digital media arts, sound and recording arts, theatre, movement and performance practice, interactive systems, visual arts and more.

The program includes courses on the traditions of 20th- and 21st-century interdisciplinary, avant garde and experimental arts and aims to provide students with an understanding of the genres and directions in contemporary art-making and performance. Teaching and course work encourage students to develop creatively and work collaboratively. A senior project allows students to finalize the degree with a substantial artistic venture or to engage in a practical arts-based internship. Graduates enter the art-making world or work in the areas of media, film and education.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program

(<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Interdisciplinary Studies (MA)

Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Arizona Western College (<http://transfer.asu.edu/az-western>)

Cochise College (<http://transfer.asu.edu/cochise>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

This interdisciplinary arts training can be the basis for a variety of personal and professional pursuits. Students who major in the program receive practical, professional training and solid academic skills. They gain extensive preparation for careers as artists, performers and creative professionals. They also develop critical backgrounds useful for becoming future teachers and scholars. Graduates of the program are prepared for advanced study in the performing arts or arts-related professions in:

- art and cultural journalism
- digital design
- education
- government and community arts administration
- media services and production

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/majors/interdisciplinary-arts-and-performance-program>

FAB N201

harcs.dept@asu.edu

602-543-4444

Interdisciplinary Arts and Sciences, BA (ASIASBA)

Campus: WEST

Program Description:

The BA in interdisciplinary arts and sciences, within the New College of Interdisciplinary Arts and Sciences, prepares students for broad employment alternatives or to pursue graduate studies. As a variation of the classic liberal arts degree, students combine a solid foundation of lower-division courses, followed by upper-division liberal arts courses in which students design an area of concentration (using an approved ASU minor or creating a concentration that is completely individualized) unique to their own interests and career pursuits. For example, the concentration can include, but is not limited to:

- business
- communication
- criminal justice and preprofessional studies

- education and teaching
- environmental issues and physical sciences
- languages and cultures
- social sciences and policy issues

Flexible and diverse, the program is capped with an internship experience.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Interdisciplinary Studies (MA)

Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Arizona Western College (<http://transfer.asu.edu/az-western>)

Cochise College (<http://transfer.asu.edu/cochise>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Emphasizing interdisciplinary study combined with a specific area of concentration (e.g., business, communication studies, English, gerontology, history, psychology or preprofessional studies), students tailor their programs to meet individualized career goals. The capstone internship program prepares students to make the transition smoothly to graduate school or postbaccalaureate employment in:

- business settings
- community settings
- cultural settings
- educational settings
- social sciences and human service settings

Students planning graduate or professional degrees in law, business, helping professions or in traditional disciplines benefit from the flexibility of this program for a broad range of future academic and career pursuits.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/majors/integrative-studies-program>

FAB N201

harcs.dept@asu.edu

602-543-4444

Latin American Studies, BA (ASLASBA)

Campus: WEST

Program Description:

This program provides a broad foundation for students to study Latin America, the United States, and diasporic communities. The structure of the program is built on strong language proficiency, and students are able to immediately immerse themselves in content courses while honing their language skills. The six branches of study possible within the program allow students to tailor the program to their needs and career plans:

- arts (graphic art, photography, digital media, performance, theater, music)
- business and professions
- education and linguistics
- history and political science (colonial, contemporary, art, architecture, philosophy)
- narrative (literature and film)
- sociology and anthropology

The program fosters language and cultural knowledge and is designed for students whose desire to study Latin America or the Iberian peninsula goes beyond print-literature. Unlike other Latin American studies programs that are predominantly social-science based and taught in English, our Latin American studies program is unique in its inclusion of the arts and sciences.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Students may work in dual-language environments, including but not limited to fields such as:

- arts management
- business
- human services
- law
- nonprofits
- politics
- public education
- public health
- public policy
- the arts

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/humanities-arts-cultural-studies-degree-programs>

FAB N201

harcs.dept@asu.edu

602-543-4444

Life Sciences, BA (ASLSCBA)

Campus: WEST

Program Description:

The intricate connections among biology, chemistry and physics form the basis of the life sciences curriculum. The BA program emphasizes interdisciplinary learning of the life and physical sciences, particularly the connectedness among disciplines. The organization and flexibility of the program encourages students to deeply study another subject outside their major, even encouraging students to minor or add a concurrent degree in another subject area.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Students have a wide variety of options, including pursuing graduate studies or seeking careers that include:

- environmental management and conservation
- health professional programs
- laboratory research
- primary and secondary school teaching
- science advisors to businesses and government
- science writing

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Mathematical and Natural Sciences

<http://newcollege.asu.edu/mns/degrees/naturalsci/life-sciences-program-ba>

FAB N100

mns@asu.edu

602-543-6050

Life Sciences, BS (ASLSCBS)

Campus: CALHC, WEST

Program Description:

The intricate connections among biology, chemistry and physics form the basis of the life sciences curriculum. The BS program emphasizes experiential learning, and all required core courses have laboratories. By learning in an integrative environment that emphasizes the connectedness of disciplines, students gain a better understanding of larger scientific concepts and can view these concepts from multiple perspectives. Undergraduates have the opportunity to conduct independent research under the mentorship of faculty members or in internships outside of the department.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Career Opportunities:

The bachelor's in life sciences prepares students for a wide range of careers by offering course and laboratory work and quantitative research opportunities that develop fundamental problem-solving, critical thinking, writing and communication skills. Graduates may enter careers in:

- business
- laboratory or field research
- medicine
- publishing
- scientific journalism
- teaching

Undergraduate laboratory experience, both on and off campus, enhances employability as a laboratory technician or research associate in university and government research laboratories; in hospital and diagnostic laboratories; and in pharmaceutical, biotechnology, agricultural and food processing companies.

Students engaged in field studies are prepared for entry-level positions in private companies and state and federal agencies (e.g., wildlife biologist, environmental consultant or conservation officer).

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Mathematical and Natural Sciences

<http://newcollege.asu.edu/mns/degrees/naturalsci/life-sciences-program>

FAB N100

mns@asu.edu

602-543-6050

Life Sciences (Environmental Science), BS (ASLSCEBS)

Campus: CALHC, WEST

Program Description:

The intricate connections among biology, chemistry and physics form the basis of the life sciences curriculum. The BS program emphasizes experiential learning, and all required core courses have laboratories. By learning in an integrative environment that emphasizes the connectedness of disciplines, students gain a better understanding of larger scientific concepts and can view these concepts from multiple perspectives.

Undergraduates have the opportunity to conduct independent research under the mentorship of faculty members or in internships outside the department.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Arizona Western College (<http://transfer.asu.edu/az-western>)

Career Opportunities:

According to the 2010-2011 Occupational Outlook Handbook (U.S. Bureau of Labor Statistics, 2010), employment of environmental scientists is expected to grow by 28 percent between 2008 and 2018. This is far more rapid growth than average rate of growth for all occupations. The handbook indicates most rapid growth will occur in the private sector (primarily, in private environmental consulting firms).

This concentration will allow students to tailor their courses of study to interests they possess in the science of the environment, to help prepare them for careers in the public and private sectors (e.g., in environmental consulting, environmental remediation, natural resource management, etc.) as well as entry into graduate programs in environmental science and related disciplines.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Mathematical and Natural Sciences

<http://newcollege.asu.edu/mathematical-natural-sciences-degree-programs>

FAB N100

mns@asu.edu

602-543-6050

Life Sciences (Forensics), BS (ASLSCFBS)

Campus: WEST

Program Description:

This concentration allows students interested in the life sciences to focus their courses of study on the field of forensics. Students pursuing this concentration will take a different, more forensics-relevant set of distribution courses than those students pursuing the current BS in life sciences. The concentration will prepare students interested in criminal forensics for careers in forensic science and success in graduate and professional degree programs. Much of the required course work will be completed in chemistry or biology lab science course, to ensure that graduates of the program are competitive as they enter the workforce, pursue relevant careers (e.g., those in crime labs) and apply to graduate and professional degree programs.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates of this program will be able to pursue careers in forensics laboratories and in the research and development of new technologies in forensics. Graduates will be particularly competitive for positions in forensics laboratories because the concentration focuses heavily on chemistry

and biology laboratory course work (areas that administrators and current employees in crime labs have reported are critically important). For example, as reliance upon DNA fingerprinting technologies increases, demand for forensic scientists trained in the requisite amounts of molecular biology will increase. The concentration also places focus on oral communication skills (e.g., through course work in argumentation, COM 222 or COM 422), which will prepare graduates for the multifaceted aspects of their careers in forensics (e.g., providing articulate and compelling expert testimony in criminal trials). Graduates of this program will also be well positioned to enter graduate programs in forensics.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Mathematical and Natural Sciences
<https://newcollege.asu.edu/mathematical-natural-sciences-degree-programs>
FAB N100
mns@asu.edu
602-543-6050

Life Sciences (Secondary Education), BA (ASLSCSBA)

Campus: WEST

Program Description:

The intricate connections among biology, chemistry and physics form the basis of the life sciences curriculum. The BA program emphasizes interdisciplinary learning of the life and physical sciences, emphasizing the connectedness among disciplines. The concentration in secondary education allows students to apply for teaching credentials in Arizona as a highly qualified teacher.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Students have a wide variety of career options including:

- environmental management and conservation
- graduate school
- health professional programs
- laboratory research
- science advisors to businesses and government
- science writing
- secondary school teaching

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Mathematical and Natural Sciences
<http://newcollege.asu.edu/mathematical-natural-sciences-degree-programs>
FAB N100
mns@asu.edu
602-543-6050

Philosophy, Religion and Society, BA (ASRELBA)

Campus: WEST

Program Description:

This program is an interdisciplinary BA degree, consisting of 33 credit hours, of studies comprising historical, theoretical and practical perspectives

on philosophy, religion and social ethics.

The degree offers three areas of focus (tracks or concentrations):

- applied ethics
- continental philosophy
- religious studies

Each track emphasizes social and political concerns by putting the studies of philosophy and religion into action. After taking one of the shared three-credit-hour core courses, students will take 18 credit hours in one of the three areas complemented by nine credit hours in upper-division electives culminating with three credit hour capstone seminar.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Interdisciplinary Studies (MA)

Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Cochise College (<http://transfer.asu.edu/cochise>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Graduates can anticipate opportunities in the following fields, explored through a required capstone experience:

- business
- criminal justice
- education
- government
- human resources
- law
- law enforcement
- media
- medicine
- religious organizations
- social services

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/majors/religion-studies-program>

Political Science, BA (ASPOLBA)

Campus: CALHC, WEST

Program Description:

Students gain understanding of theory, practice and policy underlying political processes, locally, nationally and internationally, in the BA in political science program.

The degree trains students in research skills necessary for analysis of complex sociopolitical issues locally and globally.

Course work is learner-centered in:

- American political institutions
- international relations
- political theory
- world affairs

This is a flexible program focusing on international, urban, and race or ethnic sociopolitical areas, internships, and service-learning or action research opportunities, with emphasis on intellectual and concrete policy issues in the greater Phoenix metropolitan area, Arizona, the Arizona-Mexico borderlands, the Americas and the world.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Communication Studies (MA)
- Interdisciplinary Studies (MA)
- Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The political science curriculum provides a solid background for employment in a relevant profession and prepares students for graduate work in:

- political science
- professional schools
- social science disciplines
- urban planning

The program serves as a good precursor to staff, manager or policy analyst positions in local, state and federal government. This degree is

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recognized as qualification for many careers in business (for-profit and nonprofit) and industry.

Work may include binational, cross-border positions linking U.S. and Mexican businesses, Arizona-Sonora local government or local community groups on both sides of the border. Many students use the degree as a gateway to law school or basis for further study in such applied fields as:

- community development
- public administration
- public policy
- urban affairs and urban and regional planning

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/political-science-program>
FAB S105
SBSadvising@asu.edu
602-543-6058

Political Science, BS (ASPOLBS)

Campus: WEST

Program Description:

Students gain understanding of theory, practice and policy underlying political processes, locally, nationally and internationally, in the BS in political science program. The degree trains students in research skills necessary for analysis of complex sociopolitical issues locally and globally.

Course work is learner-centered in:

- American political institutions
- international relations
- political theory
- world affairs

This is a flexible program focusing on international, urban, race or ethnic sociopolitical areas, internships and service-learning or action research opportunities, with emphasis on intellectual and concrete policy issues in the greater Phoenix metropolitan area, Arizona, the Arizona-Mexico borderlands, the Americas and the world.

The BS in political science requires six additional required credit hours than the BA in political science program.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Communication Studies (MA)
- Interdisciplinary Studies (MA)
- Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The political science curriculum provides a solid background for employment in a relevant profession and prepares students for graduate work in:

- political science
- professional schools
- social science disciplines
- urban planning

The program serves as a good precursor to staff, manager or policy analyst positions in local, state and federal government. This degree is recognized as qualification for many careers in business (for-profit and nonprofit) and industry. Work may include binational, cross-border positions linking U.S. and Mexican businesses, Arizona-Sonora local government or local community groups on both sides of the border. Many students use the degree as a gateway to law school or basis for further study in such applied fields as:

- community development
- public administration
- public policy
- urban affairs
- urban and regional planning

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/political-science-program>
FAB S105
SBSadvising@asu.edu
602-543-6058

Psychology, BA (ASPGSBA)

Campus: CALHC, ONLINE, WEST

Program Description:

Psychology is the scientific study of the behavior and mental processes of individuals and groups. The diverse BA curriculum in psychology, within the New College of Interdisciplinary Arts and Sciences, consists of basic and applied courses covering multiple perspectives within the field including:

- clinical
- cognitive systems
- cross-cultural
- developmental
- neuroscience
- organizational
- physiological
- social
- health
- legal

Courses are presented in the context of cultural, socio-historical and transnational issues, enabling the student to understand the relationship between psychology and other social and behavioral sciences.

This program adds practical experiences to enrich study through:*

- internship
- research opportunities with faculty members
- service learning

*The online psychology program does not offer research opportunities, service learning or internship programs.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 119 - Finite Mathematics

Program Math Intensity: Moderate

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Communication Studies (MA)

Interdisciplinary Studies (MA)

Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Cochise College (<http://transfer.asu.edu/cochise>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Pima Community College (<http://transfer.asu.edu/pima>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

A degree in psychology will prepare students for a career in:

- government (sales and marketing, human resources management)
- industry
- mental health professions (youth counselor, substance abuse counselor)
- social services (high school psychology teacher, occupational analyst)

The degree also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate programs in psychology:

- clinical and counseling
- cognitive neuroscience
- developmental
- environmental
- experimental
- health
- legal
- physiological
- social

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/psychology-program>
FAB S105
SBSadvising@asu.edu
602-543-6058

Psychology, BS (ASPGSBS)

Campus: WEST

Program Description:

Psychology is the scientific study of the behavior and mental processes of individuals and groups. The BS in psychology, within the New College of Interdisciplinary Arts and Sciences, consists of basic and applied courses covering multiple perspectives within the field including:

- clinical
- cognitive systems
- cross-cultural
- developmental
- neuroscience
- organizational
- physiological
- social

Courses are presented in the context of cultural, socio-historical and transnational issues, enabling the student to understand the relationship between psychology and other social and behavioral sciences.

This program adds practical experiences to enrich study through:

- internship
- research opportunities with faculty members
- service learning

Strong emphasis is placed on developing skills in critical thinking and reasoning, quantitative and qualitative research methods, and writing to round out preparation for a career or graduate studies.

The BS program is distinguished from the BA in that it requires two additional lab sciences (a life science and a physical science) and MAT 170 Precalculus.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Communication Studies (MA)
- Interdisciplinary Studies (MA)
- Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)
Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Cochise College (<http://transfer.asu.edu/cochise>)
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)
Central Arizona College (<http://transfer.asu.edu/central-az>)
Mohave Community College (<http://transfer.asu.edu/mohave>)
Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities:

Students are prepared for careers in:

- government (sales and marketing, human resources management)
- mental health professions (youth counselor, substance abuse counselor)
- social services (high school psychology teacher, occupational analyst)

The degree also provides an excellent foundation for graduate study in fields such as public administration, law, family studies, communication and the various graduate programs in psychology:

- clinical and counseling
- cognitive neuroscience
- developmental
- environmental
- experimental
- physiological
- social

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<http://newcollege.asu.edu/sbs/degrees/psychology-program>
FAB S105
SBSadvising@asu.edu
602-543-6058

Social and Behavioral Sciences, BA (ASSBSBA)

Campus: WEST

Program Description:

The social and behavioral sciences curriculum provides an understanding of assumptions underlying the social and behavioral sciences; develops the students' research skills necessary for analysis of complex social issues; offers a flexible program tailored to the career goals of the individual student; and offers individual and group experiences in working with faculty on concrete intellectual and policy issues.

The core courses provide students a background suitable to helping them better understand psychological and social principles related to the behavior of individuals across multiple social contexts and institutions (e.g., family, community, society and culture).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics Students who select the individual and behavior theme area will need to have completed MAT 170 in order to meet the prerequisite requirements of courses in that area.

Program Math Intensity: Moderate

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Communication Studies (MA)

Interdisciplinary Studies (MA)

Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

The interdisciplinary degree is an excellent option for creating a degree program that matches the individual's interests and fulfills many employers' expectations of a baccalaureate degree, namely that it should expose the student to a variety of outlooks and challenges.

Such a degree will be competitive in most situations where the disciplinary social and behavioral degrees are accepted and is advantageous when seeking entry to broad professional programs such as regional planning or urban studies.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<https://newcollege.asu.edu/sbs/degrees/social-sciences-behavioral-sciences-program>

FAB S105

SBSadvising@asu.edu

602-543-6058

Social and Behavioral Sciences, BS (ASSBSBS)

Campus: WEST

Program Description:

The social and behavioral sciences curriculum provides an understanding of assumptions underlying the social and behavioral sciences; enables students to develop research skills necessary for analysis of complex social issues; offers a flexible program tailored to the career goals of the individual student; and offers individual and group experiences in working with faculty on concrete intellectual and policy issues.

The core courses provide students a background suitable to helping them better understand psychological and social principles related to the behavior of individuals across multiple social contexts and institutions (e.g., family, community, society and culture).

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics Students who select the individual and behavior theme area will need to have completed MAT 170 in order to meet the prerequisite requirements of courses in that theme.

Program Math Intensity: Moderate

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Communication Studies (MA)

Interdisciplinary Studies (MA)

Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)
International (<https://students.asu.edu/international/future>)
Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

The interdisciplinary degree is an excellent option for creating a degree program that matches the individual's interests and fulfills many employers' expectations of a bachelor's degree, namely, that it should expose the student to a variety of outlooks and challenges.

Such a degree will be competitive in most situations where the disciplinary social and behavioral degrees are accepted and is advantageous when seeking entry to broad professional programs such as regional planning or urban studies.

Contact Information:

Interdisciplinary Arts & Sciences, New College of
School of Social and Behavioral Sciences
<https://newcollege.asu.edu/sbs/degrees/social-sciences-behavioral-sciences-program>
FAB S105
SBSadvising@asu.edu
602-543-6058

Sociology, BA (ASSOCBA)

Campus: CALHC, WEST

Program Description:

The BA in sociology, within the New College of Interdisciplinary Arts and Sciences, provides an understanding of theory, practice and policy underlying the issues of social change, inequality and diversity in a global economy including:

- age
- economic position
- gender
- geographic location
- race and ethnicity

The program enhances students' understanding of social realities and institutions at local, national and international levels and how sociology contributes to the other social sciences and to the humanities.

Students gain a basic understanding of assumptions underlying the discipline of sociology and develop the research skills necessary for analysis of complex social issues. This is a flexible program, with opportunities to work collaboratively with faculty on concrete intellectual and policy issues.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

- Communication Studies (MA)
- Interdisciplinary Studies (MA)
- Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Career Opportunities:

Graduates apply the sociological perspective to a wide variety of jobs in:

- business and management
- government
- social services
- the criminal justice system
- the health professions

Course work in sociology provides a valuable preparation for careers in:

- journalism
- law
- politics
- public administration
- public relations
- nonprofit sector

These are all fields that involve investigative skills and an ability to work with diverse groups. Graduates with an advanced degree in sociology may become:

- community developers
- criminologists
- demographers
- gerontologists
- research analysts
- statisticians
- survey researchers
- urban planners

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<https://newcollege.asu.edu/sbs/degrees/sociology-program>

FAB S105

SBSadvising@asu.edu

602-543-6058

Sociology, BS (ASSOCBS)

Campus: WEST

Program Description:

The BS in sociology, within the New College of Interdisciplinary Arts and Sciences, provides an understanding of theory, practice and policy underlying the issues of social change, inequality and diversity in a global economy including:

- age
- economic position
- gender
- geographic location
- race and ethnicity

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all

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applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Communication Studies (MA)

Interdisciplinary Studies (MA)

Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Career Opportunities:

Graduates apply the sociological perspective to a wide variety of jobs in:

- business and management
- government
- social services
- the criminal justice system
- the health professions
- nonprofit sector

A valuable preparation for careers in:

- journalism
- politics
- public administration
- public relations

These are all fields that involve investigative skills and an ability to work with diverse groups. Graduates with an advanced degree in sociology may become:

- community developers
- criminologists
- demographers
- gerontologists
- research analysts
- statisticians
- survey researchers
- urban planners

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Social and Behavioral Sciences

<https://newcollege.asu.edu/sbs/degrees/sociology-program>

FAB S105

Spanish, BA (ASSPABA)

Campus: WEST

Program Description:

The BA in Spanish, within the New College of Interdisciplinary Arts and Sciences, emphasizes Spanish language, literature and culture, all of which are integrated within the discipline and other disciplines within the college.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Cochise College (<http://transfer.asu.edu/cochise>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

The Spanish program offers excellent preparation for graduate school or for employment as a teacher in the elementary or secondary school system, especially in those districts where bilingual programs are integral to the curricula. Outside the education system, students majoring in Spanish can find employment as translators and interpreters in:

- diplomatic corps
- federal and state court
- law enforcement agencies
- law firms
- social agencies

The business world also provides employment for those fluent in Spanish. This is especially true in the Southwest, with its proximity to Mexico, and through new outlets opened by the tri-national North American Free Trade Agreement.

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/majors/spanish-studies-program>

FAB N201

harcs.dept@asu.edu

602-543-4444

Statistics, BS (ASSTABS)

Campus: WEST

Program Description:

The BS in statistics prepares students for entry-level positions as statisticians and for graduate training in statistics and related fields. Statistics is the science of collection, description, analysis and interpretation of data from experiments or surveys. Statisticians help to make decisions and solve problems in the face of uncertainty, using the limited data available from an experiment or survey. Because the use of statistical methods is common in all areas of business, government, natural and social sciences, the demand for individuals with all levels of statistical training is great.

The program encompasses theoretical and applied statistics, as well as the requisite foundations in mathematics and computing. The emphasis is on the more practical and applied aspects of statistics. Graduates of this program are equipped to utilize statistical techniques to explore interdisciplinary topics that span disciplines. These unique features emphasize the interdisciplinary nature of statistics and prepare graduates for employment as entry-level statisticians or for graduate school.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Statisticians are in high demand in many areas of industry, government and academia. Some areas with particularly high demand include:

- financial jobs
- manufacturing
- medical
- pharmaceutical

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Mathematical and Natural Sciences

<http://newcollege.asu.edu/mathematical-natural-sciences-degree-programs>

FAB N100

mns@asu.edu

602-543-6050

Women and Gender Studies, BA (ASWSTBA)

Campus: WEST

Program Description:

The BA in women and gender studies, within the New College of Interdisciplinary Arts and Sciences, is an interdisciplinary program emphasizing intersectional approaches to the study of gender, race, class, ethnicity and sexuality in national and transnational contexts. Consistent with the university's design imperatives of social embeddedness and use-inspired research, the program's course offerings, research initiatives and cocurricular programs further the understanding of women and gender and promote social justice.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Interdisciplinary Studies (MA)

Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Cochise College (<http://transfer.asu.edu/cochise>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

The women and gender studies program builds a solid educational foundation, providing knowledge and critical-thinking skills needed to deal with changing gender roles in society. The program also prepares students for opportunities in many settings:

- business and professional schools
- education and training
- graduate study in the humanities and social sciences
- health care services
- human resources development
- public and business administration
- social services

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/majors/women-studies-program>

FAB N201

harcs.dept@asu.edu

602-543-4444

Women and Gender Studies, BS (ASWSTBS)

Campus: WEST

Program Description:

The BS in women and gender studies, within the New College of Interdisciplinary Arts and Sciences, is an interdisciplinary program emphasizing intersectional approaches to the study of gender, race, class, ethnicity and sexuality in national and transnational contexts. Consistent with the university's design imperatives of social embeddedness and use-inspired research, the program's course offerings, research initiatives and cocurricular programs further the understanding of women and gender and promote social justice. The BS program is distinguished by its quantitative emphasis.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: West campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Interdisciplinary Studies (MA)

Social Justice and Human Rights (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Cochise College (<http://transfer.asu.edu/cochise>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities:

The women and gender studies program builds a solid educational foundation, providing knowledge and critical-thinking skills needed to deal with changing gender roles in society. The program also prepares students for opportunities in many settings:

- business and professional schools
- education and training
- graduate study in the humanities and social sciences
- health care services
- human resources development
- public and business administration
- social services

Contact Information:

Interdisciplinary Arts & Sciences, New College of

School of Humanities, Arts, and Cultural Studies

<http://newcollege.asu.edu/harcs/degrees/majors/women-studies-program>

FAB N201

harcs.dept@asu.edu

602-543-4444

Journalism & Mass Communication, Walter Cronkite School of

Journalism and Mass Communication, BA (CSJMCBA)

Campus: DTPHX

Program Description:

The Walter Cronkite School of Journalism and Mass Communication, named in honor of legendary CBS news anchor Walter Cronkite, is one of the largest and most successful professional journalism schools in the country. Students study multimedia, broadcast and print journalism, strategic communication and public relations, leading to a BA in journalism and mass communication. The Cronkite school is located at the ASU Downtown Phoenix campus, in the heart of the 13th largest media market in the U.S. The school features state-of-the-art computer labs, editing suites, production studios and classrooms dedicated to journalism education.

Additional Program Fee: Y

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with Master of Mass Communication (MMC)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The Bachelor of Arts in journalism and mass communication degree program has higher admission requirements and an application deadline of June 1 for fall. Students should select a second choice major on the application. All applicants will be reviewed by the school. Those who are not admitted to the Cronkite School will, if eligible, be admitted to their second choice major.

Freshman applicants must meet all of the following standards:

- have a 3.00 (4.00 = A) ABOR GPA
- have no English competency deficiencies
- 1040 SAT Reasoning or 22 ACT score

Transfer students (with 12 or more transfer hours after high school graduation) are required to have a cumulative transfer GPA of 3.00 or higher and no English competency deficiencies. Transfer students should contact the school for additional steps after admission to ASU. For more information regarding transfer admission see http://cronkite.asu.edu/undergrad/xfer_major_change.php (http://cronkite.asu.edu/undergrad/xfer_major_change.php).

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Walter Cronkite School of Journalism and Mass Communication graduates work for:

- corporate and business communication divisions
- magazines
- newspapers, radio and television stations
- online services
- public relations firms

Positions include:

- editors
- media managers
- photojournalists
- reporters
- writers

Contact Information:

Journalism & Mass Communication, Walter Cronkite School of

Walter Cronkite School of Journalism & Mass Comm

<http://cronkite.asu.edu>

CRONK 222

cronkiteadvising@asu.edu

602-496-5055

Mass Communication and Media Studies, BA (CSMCMSTBA)

Campus: ONLNE

Program Description:

The online BA in mass communication and media studies degree gives students a deep and nuanced understanding of the growing importance, power, influence and changing nature of media in the world. The program explores global mass communication issues from all dimensions: societal, cultural, historical, political, economic, technological and legal. The degree is built upon courses that are part of the Cronkite School's existing minor in media analysis.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics OR MA

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

A sophisticated understanding of mass communication is a critical asset for careers in business, government, community and the nonprofit sectors. Graduates of the program will have career opportunities with professional organizations, educational institutions, writing firms, publishing companies, political parties and candidates, government officials and others. Graduates of the bachelor's in mass communication and media studies program also will be prepared to pursue graduate studies in fields such as law, medicine, the arts, education and journalism.

Contact Information:

Journalism & Mass Communication, Walter Cronkite School of

Walter Cronkite School of Journalism & Mass Comm

<http://cronkite.asu.edu>

CRONK 302

cronkiteinfo@asu.edu

602-496-5555

Letters & Sciences, School of

Agribusiness (Preveterinary Medicine), BS (AGAGBPBS)

Campus: POLY

Program Description:

The BS in agribusiness teaches students the business of agricultural production, finance, marketing and distribution. Through a technology-rich curriculum that focuses on real-world projects, students explore global agribusiness issues such as international trade, food safety and sustainability.

The agribusiness industry is increasingly competitive, sophisticated and global, driving demand for innovative leaders who understand the industry's unique challenges and practices. The programs offered through the highly respected School of Letters and Sciences prepare graduates for success in graduate school or a wide range of careers.

By adding a concentration in preveterinary medicine, students can build on course work in chemistry and biology, to open opportunities for further study, including veterinary medicine. Others may seek to apply their science knowledge in the human or veterinary pharmaceutical industries or in the food industry, focusing on processing, production and food safety.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident

tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Accounting for more than 50 percent of the global economy and employing 25 percent of Americans, agribusiness brings food from the farm to the global table. Possible career paths include:

- finance and technical positions with private agribusiness firms and governmental agencies
- management
- marketing
- veterinary medicine

Contact Information:

Letters & Sciences, School of

School of Letters and Sciences

<https://sls.asu.edu/>

WANER 101

sls@asu.edu

480-727-1526

Applied Biological Sciences (Applied Biological Sciences), BS (TSABSABS)

Campus: POLY

Program Description:

The BS with a concentration in applied biological sciences offers students solid foundations in biology and related sciences while allowing them to focus on an area of special interest. This concentration works well for students interested in pursuing research careers in biology and postgraduate studies, particularly in the areas of human health care.

This concentration is designed for students planning to enter professional programs in the health professions, including medicine, medical technology, epidemiology, dentistry, physical therapy, public health and physician's assistant programs or biotechnology.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Graduates can pursue entry-level careers in wildlife and restoration ecology, urban horticulture and secondary education. The general program in applied biological sciences prepares graduates to succeed in graduate and professional schools in disciplines such as:

- animal health
- animal scientists
- dentistry
- ecology
- environmental biotechnology
- horticulture
- medicine
- physical therapy
- veterinary medicine
- wildlife biology

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<https://sls.asu.edu/>
WANER 101
sls@asu.edu
480-727-1526

Applied Biological Sciences (Applied Ecology and Preveterinary Medicine), BS (TSABSRBS)

Campus: POLY

Program Description:

The applied ecology and preveterinary medicine concentration is designed for students who want a strong scientific foundation in wildlife and conservation biology. By selecting concentration areas in either wildlife biology or preveterinary medicine, students will have an emphasis on conservation and stewardship of fauna and flora in natural systems. Public and private career options are diverse and include wildlife biologist or ecologist, park managers, wildlife veterinary medicine, wild and domestic animal care, policy advisors, environmental consultants, and environmental research and education.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Graduates can pursue numerous entry-level careers in biology. Specific career fields include secondary education, wildlife and restoration ecology, and urban horticulture. Employment opportunities exist in private and public sectors.

The general program in applied biological sciences also prepares graduates to succeed in graduate or professional schools in disciplines such as:

- animal health
- dentistry
- ecology
- environmental biotechnology
- horticulture
- medicine
- physical therapy
- wildlife biology

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<https://sls.asu.edu/>
WANER 101
sls@asu.edu
480-727-1526

Applied Biological Sciences (Secondary Education in Biology), BS (TSABSSBS)

Campus: POLY

Program Description:

The secondary education in biology concentration is designed for students who want to teach biology at the high school level. In addition to the standard curriculum, some students may also receive hands-on experience in laboratory instruction in the applied biological sciences concentration. Our goal is to prepare teachers who excel in biology and the related sciences.

Students should also contact the Mary Lou Fulton Teachers College.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates can pursue numerous entry-level careers in biology. Specific career fields include secondary education, wildlife and restoration ecology, and urban horticulture. Employment opportunities exist in private and public sectors. The general program in applied biological sciences also prepares graduates to succeed in graduate or professional schools in disciplines such as:

- animal health
- dentistry
- ecology
- environmental biotechnology
- horticulture

- medicine
- physical therapy
- teaching
- wildlife biology

Contact Information:

Letters & Sciences, School of
 School of Letters and Sciences
<https://sls.asu.edu/>
 WANER 101
sls@asu.edu
 480-727-1526

Applied Biological Sciences (Sustainable Horticulture), BS (TSABSUBS)

Campus: POLY

Program Description:

The sustainable horticulture concentration is designed for students who want theory and practical experiences in the unique aspects of the culture of plants in an urban desert environment. Students acquire the skills to produce, design and care for ornamental and edible plantscapes using sustainable technologies.

Students are prepared for numerous private and public careers in the nursery and landscape industries as well as local foods production and organic urban farming.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates can pursue numerous entry-level careers in biology. Specific career fields include secondary education, wildlife and restoration ecology, and urban horticulture. Employment opportunities exist in private and public sectors. The general program in applied biological sciences also prepares graduates to succeed in graduate or professional schools in disciplines such as:

- animal health
- dentistry
- ecology
- environmental biotechnology
- horticulture
- medicine
- physical therapy
- wildlife biology

Contact Information:

Letters & Sciences, School of
 School of Letters and Sciences
<https://sls.asu.edu/>

Applied Science (Technical Communication), BAS (LSTECBAS)

Campus: POLY

Program Description:

The BAS in technical communication is a flexible degree plan designed specifically for students who have earned an AAS from a regionally accredited institution. This major combines the technical experience gained in the student's associate degree program with a broader education of management, leadership, critical thinking and communication skills.

Technical communication is applied workplace communication that makes technical information understandable and available to many audiences. In the technical communication concentration, students learn how to produce, design and manage information using both traditional and developing technologies.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available for freshmen.

Career Opportunities:

The Bureau of Labor Statistics estimates the need for writers and editors will increase by 25 percent during the next five years. Software and electronics companies, media corporations, financial institutions, government agencies, nonprofits and other areas will see an increased demand for writers. Students in the program will prepare for careers as:

- advertising and promotions managers
- communications teachers, postsecondary
- copy writers
- correspondence clerks
- court clerks
- desktop publishers
- editors
- media and communication workers
- proofreaders and copy markers
- public relations specialists
- reporters and correspondents
- technical writers
- writers and authors

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<https://sls.asu.edu/>
WANER 101
sls@asu.edu

Communication, BA (LSCOMBA)

Campus: DTPHX, POLY

Program Description:

The BA in communication focuses on teaching students how communication processes create, maintain and transform identities, relationships, workplaces and communities. Our mission statement is: Through the study and critique of human communication, we generate knowledge, creativity and understanding to facilitate healthy relationships and workplaces, civil and secure communities, and constructive intercultural interaction.

Students must complete a minimum of 12 upper-division credit hours of COM courses offered by the School of Letters and Sciences.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Central Arizona College (<http://transfer.asu.edu/central-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Graduates of our program often attend leading graduate schools in communication, law schools and business schools, or find gainful employment in careers such as these:

- advertising and promotions managers
- clinical research coordinators
- communications teachers, postsecondary
- correspondence clerks
- customer service representatives
- distance learning coordinators
- editors
- education administrators, postsecondary
- labor relations specialists
- lawyers
- legal support workers, all other
- marketing managers
- media and communication workers, all other
- meeting, convention, and event planners
- middle school teachers
- paralegals and legal assistants
- postsecondary teachers
- public address system and other announcers
- public relations specialists
- retail salespersons
- sales and related workers
- sales managers
- sales representatives
- secondary school teachers
- survey researchers
- training and development managers
- training and development specialists

Contact Information:

Letters & Sciences, School of
School of Letters and Sciences
<https://sls.asu.edu/>
UCENT 300
sls@asu.edu
602-496-4000

English, BA (LSENGBA)

Campus: POLY

Program Description:

The BA in English focuses on effective writing, critical thinking and sophisticated reading of literary and nonliterary texts. Our faculty teach courses in English, American and world literature, from the Classical period to the present; creative and academic writing; and American and international film. We also offer internships in online publishing through our acclaimed online literary journal *Superstition Review*.

Students must complete a minimum of 12 upper-division credit hours of ENG courses offered by the School of Letters and Sciences.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The bachelor's in English prepares scholars and teachers for graduate or professional study and for careers in education, writing and other related fields. Career prospects for secondary language arts teachers in Arizona are particularly strong. More importantly, students in the program will develop skills that employers value, such as analyzing ideas and problems, finding and evaluating information, communicating effectively, and presenting clear and logical arguments. With these skills, graduates of the program can find jobs such as these:

- advertising and promotions managers
- broadcast news analysts
- copy writers
- court reporters
- editors
- English language and literature teachers
- judicial law clerks
- lawyers
- legal support workers
- marketing managers
- media and communication workers
- middle school teachers
- paralegals and legal assistants

- poets, lyricists and creative writers
- postsecondary teachers
- public relations specialists
- sales managers
- sales representatives
- secondary school teachers
- teachers and instructors
- technical writers
- writers and authors

Contact Information:

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 480-727-1526

Exploratory Health and Life Sciences, (UCHSCIEXPL)

Campus: DTPHX, ONLNE, POLY, TEMPE, WEST

Program Description:

The exploratory health and life sciences track affords students an opportunity to explore a variety of majors related to the health and life science professions. ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill, as well as taking some time to explore a variety of academic courses that may lead to a potential major interest.

All School of Letters and Sciences exploratory students are required to enroll in the following major and career exploration courses which must be taken sequentially:

UNI 150 Major and Career Exploration (1)

UNI 250 Choosing a Major (1)

UNI 270 Career Direction for a Successful Future (1)

For a complete list of all majors associated with this exploratory track, refer to <https://sls.asu.edu/node/489> (<https://sls.asu.edu/node/489>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Career opportunities are specific to the ultimate major of choice.

Contact Information:

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exploratory@asu.edu
480-965-4464

Exploratory Humanities, Fine Arts and Design, (UCHUFAEXPL)

Campus: DTPHX, ONLNE, POLY, TEMPE, WEST

Program Description:

The exploratory humanities, fine arts and design track affords students an opportunity to explore a variety of majors related to the humanities, fine arts and design professions. ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare "exploratory" status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill, as well as taking some time to explore a variety of academic courses that may lead to a potential major interest.

All School of Letters and Sciences exploratory students are required to enroll in the following major and career exploration courses which must be taken sequentially:

UNI 150 Major and Career Exploration (1)
UNI 250 Choosing a Major (1)
UNI 270 Career Direction for a Successful Future (1)

For a complete list of all majors associated with this exploratory track, reference <https://sls.asu.edu/node/489> (<https://sls.asu.edu/node/489>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics Final major selection will determine final math course needed.

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Career opportunities are specific to the ultimate major of choice.

Contact Information:

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Exploratory Math, Physical Sciences, Engineering and Technology, (UCEMTPEXPL)

Campus: DTPHX, ONLNE, POLY, TEMPE, WEST

Program Description:

The exploratory mathematics, physical sciences, engineering and technology track affords students an opportunity to explore a variety of majors related to the mathematics, physical sciences, engineering and technology professions. ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill as well as taking some time to explore a variety of academic courses that may lead to a potential major interest.

All School of Letters and Sciences exploratory students are required to enroll in the following major and career exploration courses which must be taken sequentially:

UNI 150 Major and Career Exploration (1)

UNI 250 Choosing a Major (1)

UNI 270 Career Direction for a Successful Future (1)

For a complete list of all majors associated with this exploratory track, reference <https://sls.asu.edu/node/489> (<https://sls.asu.edu/node/489>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus Final major selection will determine final math course needed.

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Career opportunities are specific to the ultimate major of choice.

Contact Information:

Letters & Sciences, School of

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<https://sls.asu.edu/>

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480-965-4464

Exploratory Social and Behavioral Sciences, (UCSBSEXPL)

Campus: DTPHX, ONLNE, POLY, TEMPE, WEST

Program Description:

The exploratory social and behavioral sciences track affords students an opportunity to explore a variety of majors related to the social and behavioral sciences, such as psychology, history, education, journalism and business-related careers. ASU recognizes that many students are not ready to choose a specific academic program of study when first entering the university. Allowing students the option to declare exploratory status permits students to begin meeting General Studies requirements that all ASU graduates must fulfill as well as take some time to explore a variety of academic courses that may lead to a potential major interest.

All School of Letters and Sciences exploratory students are required to enroll in the following major and career exploration courses, which must be taken sequentially:

UNI 150 Major and Career Exploration (1)

UNI 250 Choosing a Major (1)

UNI 270 Career Direction for a Successful Future (1)

For a complete list of all majors associated with this exploratory track, reference <https://sls.asu.edu/node/489> (<https://sls.asu.edu/node/489>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 117 - College Algebra Final major selection will determine final math course needed.

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Career opportunities are specific to the ultimate major of choice.

Contact Information:

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General Studies, BGS (LSGNSBGS)

Campus: DTPHX, CALHC

Program Description:

The BGS offers students a flexible, innovative path to degree completion. Graduates of the program will be informed and effective members of society, who are well-prepared for a changing global marketplace with its diverse cultures. The theme of this degree is "Society and the Individual." Students will explore the tensions between individualism and collectivism, the public and private self, and the interplay of culture and identity.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Arizona Western College (<http://transfer.asu.edu/az-western>)
Mohave Community College (<http://transfer.asu.edu/mohave>)
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)
Pima Community College (<http://transfer.asu.edu/pima>)
Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

General studies majors have the option of working in almost any field that requires effective interaction with others, from sales to social services, and organizational management to government administration. Graduates will be equipped with transferable skills highly desired by many employers; therefore, a wide array of job choices are available. The Bachelor of General Studies creates great flexibility in career choice because of the versatility within the program.

Graduates may choose to enter one of the occupations for which their cluster prepares them, including but not limited to:

- administrative services managers
- curators
- medical and health services
- middle school teachers
- postsecondary teachers, all other
- property, real estate and community association managers
- public relations specialists
- purchasing managers
- real estate sales agents
- sales managers
- writers and authors

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History, BA (LSHISBA)

Campus: POLY

Program Description:

The BA in history focuses on American and European history, with a special emphasis on the history of the Southwest, environmental history and related fields. Students are trained in methods of historical research, and study the development of human society from social, cultural, political and economic perspectives.

Students must complete a minimum of 12 upper-division credit hours of HST courses offered by the School of Letters and Sciences.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The bachelor's in history prepares scholars and teachers for graduate and professional studies and for careers in education, writing and other related fields. Career prospects for secondary history and social studies teachers in Arizona are particularly strong. Students in the program develop skills in:

- analyzing ideas and problems
- communicating effectively
- finding and evaluating information
- presenting clear and logical arguments

With these skills, graduates of this program can find jobs as:

- archivists
- broadcast news analysts
- court reporters
- curators
- historians
- history teachers
- judicial law clerks
- lawyers
- legal support workers
- media and communication workers
- middle school teachers
- museum technicians and conservators
- paralegals and legal assistants
- postsecondary teachers
- reporters and correspondents
- secondary school teachers
- teachers and instructors
- writers and authors

The degree also prepares students to continue in graduate and professional programs.

Contact Information:

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480-727-1526

Interdisciplinary Studies, BIS (LSBISBIS)

Campus: DTPHX, ONLNE, POLY, TEMPE, WEST

Program Description:

The BIS degree, one of the top five programs in the country, offers students the freedom to select two concentration areas from a rich menu of more than 140 possibilities (see concentration checksheets at <https://sls.asu.edu/bis/checksheets> (<https://sls.asu.edu/bis/checksheets>)). The core curriculum provides students the intellectual tools to integrate their concentration areas, engage in interdisciplinary problem-solving, and prepare for careers and graduate programs that increasingly cross disciplinary boundaries.

An interdisciplinary studies student could choose to integrate entertainment technology and business, applied psychology and social welfare, communication and justice studies, public administration and ethics, kinesiology and computer gaming, or many other unique combinations.

Interdisciplinary studies is an approach to answering questions, solving problems and addressing contemporary social issues from multiple perspectives. Interdisciplinary studies students take an active role in designing their educational plans and defining their career goals. The degree emphasizes written communication, versatility, self-assessment and critical thinking - essential skills for navigating today's dynamic world.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from
Academic Catalog Archive 2014-2015 1092

Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The BIS program is available to all students in good academic standing who have achieved sophomore, junior or senior standing. Students must complete the online BIS cyber workshop (found in student resources at <https://sls.asu.edu/ils/> (<https://sls.asu.edu/ils/>)) prior to meeting with an advisor to declare their major as interdisciplinary studies.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here. (<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-interdisciplinary-studies>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Because of the flexibility of the interdisciplinary studies program, graduates take many exciting career paths after leaving ASU. While some students complete graduate or professional degrees, others immediately enter the job market. For example, one graduate combined business and communication and now owns a small business; another integrated sociology and family studies to further a career in law enforcement; another studied philosophy and economics to prepare for law school; another combined biology and chemistry in preparation to pursue a master of pharmacy degree; yet another studied Spanish and religious studies and now works as an employee trainer for a major company.

Possible career opportunities include:

- archivists
- chief executives
- climate change analysts
- compliance managers
- computer network support specialists
- curators
- editors
- environmental restoration planners
- general and operations managers
- regulatory affairs managers
- reporters and correspondents
- web developers
- wholesale and retail buyers (except farm products)

Contact Information:

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Interdisciplinary Studies (Organizational Studies), BIS (LSORGBIS)

Campus: EAC, ONLINE

Program Description:

Interdisciplinary studies is an approach to answering questions, solving problems and addressing contemporary social issues from multiple perspectives. Interdisciplinary students develop the intellectual tools needed to build bridges between academic disciplines and apply their skills, innovations and knowledge in various academic and practical settings. The BIS in organizational studies is intended for students seeking an interdisciplinary degree and possessing a desire to learn about the dynamics of contemporary organizations. Via the organizational studies curriculum, students gain valuable knowledge of management styles, communication strategies, technologies, diversity, ethics and politics. All course work for organizational studies is offered online, giving students freedom and flexibility in completing their requirements. By engaging in a breadth of knowledge and experience, and by acquiring the skills to integrate various domains of knowledge, students prepare themselves for careers as:

- human resources specialists
- industrial organizational psychologists
- investment fund managers
- loss prevention managers
- management analysts
- regulatory affairs managers
- supply chain managers
- urban and regional planners

Many organizational studies students already have a chosen career field, yet desire a degree that is versatile, flexible, meaningful and that affords the opportunity for continued career development and advancement.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here. (<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-interdisciplinary-studies-organizational-studies>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Cochise College (<http://transfer.asu.edu/cochise>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Career Opportunities:

Because of the flexibility of the BIS program, organizational studies graduates take many different career paths after finishing their degree. Recent graduates have found opportunities in many exciting fields such as:

- business
- education
- health care administration
- nonprofit administration
- tourism

Contact Information:

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Liberal Studies, BLS (LABLSBLS)

Campus: EAC, ONLNE

Program Description:

The BLS program helps to address student interests in a broad array of disciplines and subject matter. The program aims to provide students with the grounding to use knowledge in a manner that will help them to become more successful thinkers, decision-makers and leaders. The liberal studies core classes are designed to promote critical and creative thinking as students learn how to draw upon diverse disciplinary perspectives and modes of inquiry, help in the development of communication skills and support efforts toward professional career development.

Students majoring in liberal studies have become part of an international movement in higher education. This movement has proven empowering to people who are given the flexibility to explore multiple interests or approach a particular interest from various perspectives. Students are not alone in their chosen path. In fact, our program is just one of hundreds of similar programs offered in colleges and universities across the nation.

The program shares with all other liberal arts and science degrees the goal of developing analytical and communicative abilities. The program offers breadth of learning in an online setting. The liberal studies degree is transdisciplinary, providing students a thematic approach to education.

For more information on eligibility requirements, visit the school website.

Arizona State University and Eastern Arizona College have established a partnership that will allow students to complete their associate degree at EAC and then pursue this bachelor's degree through classes delivered on the EAC Thatcher campus. Visit <https://transfer.asu.edu/eac> (<https://transfer.asu.edu/eac>) for more information about ASU degrees offered at Eastern Arizona College Thatcher campus. View the major map for this program here: <https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LABLSBLS/null/EAC/2014> (<https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LABLSBLS/null/EAC/2014>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here. (<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-liberal-studies>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Liberal studies graduates are prepared to enter the work force or pursue graduate or professional studies.

Liberal studies courses prepare students for careers as:

- chief executives
- data warehousing specialists
- document management specialists

- elementary, middle, and high school principals
- emergency medical technicians and paramedics
- general and operations managers
- human resources specialists
- industrial ecologists
- lawyers
- paralegals and legal assistants
- police detectives
- postsecondary teachers
- technical writers
- web administrators

Contact Information:

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Organizational Leadership, BA (LSORGLBA)

Campus: EAC, CALHC, ONLNE

Program Description:

The BA in organizational leadership uses interdisciplinary methods that prepare students to become leaders in organizations. Students develop skills and knowledge that leaders need to solve problems, communicate effectively, assess programs, manage resources, and use emerging technologies in organizations. Students in the program will be prepared for a range of positions in government, health care administration, nonprofit agencies and the service industry.

Arizona State University and Eastern Arizona College have established a partnership that will allow students to complete their associate degree at EAC and then pursue this bachelor's degree through classes delivered on the EAC Thatcher campus. Visit <https://transfer.asu.edu/eac> (https://transfer.asu.edu/eac) for more information about ASU degrees offered at Eastern Arizona College Thatcher campus. View the major map for this program here: <https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LSORGLBA/null/EAC/2014> (https://webapp4.asu.edu/programs/t5/roadmaps/ASU00/LSORGLBA/null/EAC/2014).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics Online: MAT 142 or MAT 117 or higher Lake Havasu: MAT 117 or higher. Students simply need to fulfill the general studies "MA" requirement.

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Graduates will possess skills and knowledge needed for leadership positions in a wide range of organizations - business, government, health care administration, nonprofit agencies, service industry. Students who complete the degree on the ground in Lake Havasu City will choose from three concentrations, with the following job titles based on information from other universities with similar degrees:

- organizational behavior: knowledge manager, director of employee services, director of training, diversity specialist, performance evaluation specialist, community relations manager
- organizational leadership: director of youth development, sales manager, executive assistant, housing assistant, supervisor, service manager, deputy sheriff trainee, sales executive, knowledge manager, talent manager, organization development consultant
- project management: project manager, account manager, facilities manager, senior video producer

Contact Information:

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Science, Technology and Society, BS (ECSTSBS)

Campus: POLY

Program Description:

Questions surrounding the interaction of science, technology and human systems are highly interdisciplinary and cultural, requiring analytical techniques that transcend space and time. Thus, the science, technology and society program stresses the need to step outside both disciplinary and cultural boxes in pursuit of knowledge. Accordingly, the program is heavy on cultural and information literacy and critical thinking. The primary goal is to produce generalists who understand the intricate interrelationship of science, technology and society and are armed with the technical skills to change their environment. The following three tracks are available:

- general science, technology and society
- global technology and development
- science, technology and governance

Students can use the general STS track to design targeted programs of their choosing, including premed and prelaw.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

The bachelor's degree in science, technology and society prepares professionals and scholars for careers in the 21st-century world focusing primarily, but not exclusively, on the interaction of science and technology with human systems. The focus of the program is on developing the technical skills required to audit the social, political and policy impact of technological advancement and the competence required to navigate questions surrounding the future trajectory of science and technology. Graduates are prepared for graduate or professional study or professional careers as:

- commercial and industrial designers
- compliance managers
- environmental restoration planners
- public relations specialists
- recycling coordinators
- regulatory affairs specialists

- sales representatives, wholesale and manufacturing, technical and scientific products
- sustainability specialists
- training and development specialists
- transportation planners
- urban and regional planners

Contact Information:

Letters & Sciences, School of
 School of Letters and Sciences
<https://sls.asu.edu/>
 WANER 101
sls@asu.edu
 480-727-1526

Technical Communication, BS (LSTECBS)

Campus: ONLNE, POLY

Program Description:

The BS in technical communication is the only undergraduate technical communication degree program available in the state of Arizona. Technical communication is applied workplace communication that makes technical information understandable and available to many audiences. In the technical communication program, students learn how to produce, design and manage information using traditional and developing technologies.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Polytechnic campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-technical-communication>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Cochise College (<http://transfer.asu.edu/cochise>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

The Bureau of Labor Statistics estimates the need for writers and editors will increase by 25 percent during the next five years. Software and electronics companies, media corporations, financial institutions, government agencies, nonprofits and other areas will see an increased demand for writers. Students in the program will prepare for careers as:

- advertising and promotions managers
- communications teachers, postsecondary
- copy writers
- correspondence clerks
- court clerks
- desktop publishers
- editors
- media and communication workers
- proofreaders and copy markers
- public relations specialists
- reporters and correspondents
- technical writers
- writers and authors

Contact Information:

Letters & Sciences, School of
 School of Letters and Sciences
<https://sls.asu.edu/>
 WANER 101
slsonline@asu.edu
 480-727-1526

Liberal Arts & Sciences, College of

Actuarial Science, BS (LAACTBS)

Campus: TEMPE

Program Description:

The BS in actuarial science provides students the quantitative and business skills needed to prepare them for a career as an actuary. Actuaries are professionals who assemble and analyze data to estimate the probability and likely cost of an event such as death, sickness, injury, disability or loss of property. It is consistently one of the most secure and highest-paying professions available, even during tough economic times. As part of the School of Mathematical and Statistical Sciences, the actuarial science program combines traditional math and statistics courses with a solid foundation in business, economics and finance. This provides students with preparation for professional actuarial credentialing exams that will set them apart from graduates of many other actuarial science programs.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
 Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

In addition to providing preparation for a career as an actuary, this degree program provides students the skills needed for careers in areas such as:

- academia (college teacher, university professor with advanced degree)
- corporate and consulting services, especially management and public relations
- government programs, such as Social Security and Medicare
- insurance

- security and commodity brokerage

Contact Information:

Liberal Arts & Sciences, College of
 School of Mathematical and Statistical Sciences
<http://math.asu.edu>
 PSA 211
math@asu.edu
 480-965-7195

African and African American Studies, BA (LAAFRBA)

Campus: TEMPE

Program Description:

The African and African American Studies Program at ASU has assembled a dynamic faculty engaged in investigating the riveting complexities of Africa. Trained in a variety of disciplines including anthropology, health, history, journalism, literature, sociology, political science and women's studies, the faculty examines a wide array of critical issues of African descended peoples across the stages of life at various times and places in history. Students choose one of the following areas of concentration:

- African Studies
- African Diaspora Studies

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with Science and Technology Policy (MSTP)
 Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:
 All students are required to meet general university admission requirements.
 Freshman (<https://students.asu.edu/freshman/requirements>)
 Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)
 International (<https://students.asu.edu/international/future>)
 Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
 Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Because of its emphasis on various social aspects and groups, the African and African American studies program provides students with practical applications useful for various workplaces. This program helps students develop cultural sensitivity and prepares them for careers in:

- administration
- advertising
- business
- counseling
- education
- human resources
- international relations
- journalism
- justice
- management
- travel

Our program prepares students for work in:

- civil rights organizations
- colleges and universities
- corporations
- government agencies
- hotel chains
- law firms
- libraries
- museums
- nonprofit organizations
- political action groups
- public relation firms
- research organizations
- sales departments
- social service agencies
- the insurance industry
- the Peace Corps
- travel agencies

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation

<https://sst.clas.asu.edu/african-and-african-american-studies>

WILSN 125

SST@asu.edu

480-965-7682

American Indian Studies, BS (LAAISBS)

Campus: TEMPE

Program Description:

The BS in American Indian studies provides students with unique opportunities to evaluate issues of American Indian nations within a domestic and international context. The bachelor's in American Indian studies encompasses two areas of emphasis: legal, policy and community and economic development; and arts, languages and culture. The American Indian Studies Program is committed to broadening the knowledge of students interested in the histories, languages, cultures, arts and contemporary situations of American Indian nations and people. The program is designed to protect the integrity and identity of the indigenous populations of North America and to create a learning environment conducive to critical and creative thought.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

American Indian Studies (Indigenous Rights and Social Justice) MS

American Indian Studies (Tribal Leadership and Governance) MS

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

American Indian studies graduates will be qualified to fill positions at the tribal, state and federal government levels and in the private sector. Graduates can advance to graduate school or can pursue professional careers in such fields as government service or public service. For example, federally and tribally operated schools located in remote areas within Indian Country have high turnover rates for both teachers and staff. American Indian studies graduates should be available to help fill these positions. Furthermore, the federal government, a major employer on many reservations across the country, is in need of qualified people who are knowledgeable of Indian cultures, laws and policies. Additionally, many American Indian nations' economies and infrastructures are developing at a rapid pace, and they are in continuous need to fill mid-management and management-level positions.

Graduates find positions in many areas, such as:

- casino employment
- community action work
- public administration (tribal or state relations, nonprofit management, education administration, planner)
- public health
- the arts
- tribal employment (political office, tribal management, cultural resource programming, grant writer, cultural specialist, youth services)

This program also provides suitable preparation for graduate study or law school.

Contact Information:

Liberal Arts & Sciences, College of
American Indian Studies Program
<http://americanindian.clas.asu.edu/>
DISCOVERY 356
AIS@asu.edu
480-965-3634

Anthropology, BA (LAASBBA)

Campus: TEMPE

Program Description:

The BA in anthropology gives students an opportunity to learn how and why humans evolved and how our evolutionary biological, social and cultural trajectories help us understand the meaning of being human in past, present and future environments. Anthropology helps students develop strong critical thinking and oral and written expression skills, important to success in many career areas.

Anthropology majors learn how to use the scientific method to formulate and test hypotheses and gather qualitative and quantitative data through participant observation, interviewing, ethnographic study, careful excavation and measurement. They also learn how to employ statistics to analyze and extract meaning from data.

A special feature of the ASU anthropology program is its relevance to other disciplines and many exciting hands-on learning opportunities through laboratories, study abroad and field-based courses.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret the large amounts of data. As the many spheres of human interaction expand globally, people trained in anthropology will increasingly be sought for their broad, holistic knowledge and perspective of understanding, which are the hallmarks of anthropology. Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- consulting for private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector
- modeling infectious diseases
- planning communities
- postgraduate academic research and teaching
- professional employment in heritage (cultural resource) management in private or public sectors
- providing health care as nurses, doctors or public or global health professionals

Contact Information:

Liberal Arts & Sciences, College of
School of Human Evolution & Social Change
<http://shesc.asu.edu/undergraduate/undergraduate-studies>
SHESC 233
shesc.undergrad@asu.edu
480-965-6215

Anthropology, BS (LAASBBS)

Campus: TEMPE

Program Description:

The BS in anthropology gives students an opportunity to master anthropological or anthropologically relevant knowledge and skills through applications of the scientific method and quantitative methodologies. Anthropology is the study of how and why humans evolved and how our evolutionary biological, social and cultural trajectories help us understand the meaning of being human in past, present and future environments. Through core and elective courses, the bachelor's in anthropology allows students to explore problems that may require the use of theories and methods from diverse disciplines, including biology, global health, applied mathematics, psychology, economics, sociology, medicine, law and engineering. Anthropology provides many exciting, hands-on learning opportunities through laboratories, study abroad and field-based courses.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

The demand in the job market for people with an anthropology background is stimulated by a growing need for researchers and analysts with keen thinking skills who can manage, evaluate and interpret large amounts of data. As the many spheres of human interaction expand globally, people trained in anthropology will increasingly be sought for their broad, holistic knowledge and perspective of understanding, which are the hallmarks of anthropology. Some career opportunities include:

- acting as legal advocates in international cases
- analyzing and proposing policies
- consulting for large and small private and public organizations
- curating cultural resources
- directing nonprofit organizations
- directing programs in the private or public sector

- modeling infectious diseases
- planning communities
- postgraduate academic research and teaching
- professional employment in heritage (cultural resource) management in private or public sectors
- providing health care as nurses, doctors or public or global health professionals

Contact Information:

Liberal Arts & Sciences, College of
 School of Human Evolution & Social Change
<https://shesc.asu.edu/undergraduate/undergraduate-studies>
 SHESC 233
shesc.undergrad@asu.edu
 480-965-6215

Applied Mathematics for Life and Social Sciences, BS (LAAMLBS)

Campus: TEMPE

Program Description:

The BS in applied mathematics for the life and social sciences is a challenging and exciting curriculum that investigates and integrates complex areas of the physical, life and social sciences while preparing a new generation of students in mathematics.

A primary objective of this program is for students to develop critical thinking skills and purposeful competencies in mathematics as well as an appreciation for the contributions of mathematics to the fields of sciences, engineering, business, government and economics. Students learn how to use theories and techniques such as mathematical modeling and computational methods to resolve practical real-world problems. The course work is directed toward an understanding of mathematical theory and its relation to other fields of studies. Emphasis is placed on precision of definition, reasoning to accurate conclusions, and analyzing and developing solutions to problems using mathematical principles.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The bachelor's in applied mathematics for the life and social sciences provides students entering the environmental, life, health, mathematical and social science fields the quantitative, scientific and analytical skills that are critical for professionals working in these areas.

The need for quantitatively trained scientists and professionals in the life and social sciences is strong in Arizona and the nation. This degree's applied use of mathematics, modeling, statistics and simulation methodologies are in high demand and provide excellent training for future academics and professionals in industries including:

- astrophysics
- biostatistics
- chemical engineering
- communications
- computational biology
- computer animation
- data mining
- demography
- digital and medical imaging
- e-commerce

- education
- forensics
- genomics
- informatics and complex systems research
- materials science
- neuroscience
- pharmaceutical engineering
- political science
- public health
- risk management
- security and military
- social network analysis

Contact Information:

Liberal Arts & Sciences, College of
 School of Human Evolution & Social Change
<https://shesc.asu.edu/undergraduate/bs-applied-mathematics-life-and-social-sciences>
 SHESC 233
shesc.undergrad@asu.edu
 480-965-6215

Asia Studies (East Asia), BA (LAHSTEABA)

Campus: TEMPE

Program Description:

The BA in Asia studies offers students the opportunity to study East Asia, South Asia or Southeast Asia in depth through a coherent concentration of academic study across a number of disciplines. The interdisciplinary approach will prepare students to deploy a variety of intellectual tools to address contemporary political, social and cultural issues in Asia and to apply their knowledge in various academic and practical settings. Students will identify which concentration (East, South or Southeast Asia) they will pursue.

The concentration in East Asia includes:

- China
- Japan
- Korea
- Taiwan

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

People knowledgeable about Asia will be required in virtually every arena in which America interacts with the rest of the world, including:

- communication
- diplomacy
- food security
- higher education
- humanitarian service

- intelligence
- international organizations
- journalism
- law
- law enforcement
- military
- philanthropy
- technology transfer
- tourism
- trade
- transportation

Contact Information:

Liberal Arts & Sciences, College of
 Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/undergrad/asia-studies>
 COOR 3307
 SHPRSadvising@asu.edu
 480-965-8364

Asia Studies (South Asia), BA (LAHSTSABA)

Campus: TEMPE

Program Description:

The BA in Asia studies offers students the opportunity to study East Asia, South Asia or Southeast Asia in depth through a coherent concentration of academic study across a number of disciplines. The interdisciplinary approach prepares students to deploy a variety of intellectual tools to address contemporary political, social and cultural issues in Asia and to apply their knowledge in various academic and practical settings. Students identify which concentration (East, South or Southeast Asia) they will pursue.

The concentration in South Asia includes:

- Bangladesh
- India
- Pakistan
- South Asian states and societies

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
 Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

People knowledgeable about Asia will be required in virtually every arena in which America interacts with the rest of the world, including:

- communication
- diplomacy
- food security
- higher education
- humanitarian service
- intelligence

- international organizations
- journalism
- law
- law enforcement
- military
- philanthropy
- technology transfer
- tourism
- trade
- transportation

Contact Information:

Liberal Arts & Sciences, College of
 Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/undergrad/asia-studies>
 COOR 3307
 SHPRSadvising@asu.edu
 480-965-8364

Asia Studies (Southeast Asia), BA (LAHSTSEABA)

Campus: TEMPE

Program Description:

The BA in Asia studies offers students the opportunity to study East Asia, South Asia or Southeast Asia in depth through a coherent concentration of academic study across a number of disciplines. The interdisciplinary approach prepares students to deploy a variety of intellectual tools to address contemporary political, social and cultural issues in Asia and to apply their knowledge in various academic and practical settings. Students identify which concentration (East, South or Southeast Asia) they will pursue.

The concentration in Southeast Asia includes:

- Brunei
- Burma/Myanmar
- Cambodia
- East Timor
- Indonesia
- Laos
- Malaysia
- the Philippines
- Singapore
- Thailand
- Vietnam

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

People knowledgeable about Asia will be required in virtually every arena in which America interacts with the rest of the world, including:

- communication
- diplomacy
- food security
- higher education
- humanitarian service
- intelligence
- international organizations
- journalism
- law
- law enforcement
- military studies
- philanthropy
- technology transfer
- tourism
- trade
- transportation

Contact Information:

Liberal Arts & Sciences, College of
 Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/undergrad/asia-studies>
 COOR 3307
 SHPRSadvising@asu.edu
 480-965-8364

Asian Languages (Chinese), BA (LACHIBA)

Campus: TEMPE

Program Description:

The BA in Asian languages with a concentration in Chinese strives to instill proficiency in reading, writing and speaking Mandarin and in reading classical Chinese. It provides an in-depth understanding of the fundamentals of the rich Chinese cultural tradition, centered on primary Chinese texts (in Chinese and in English translation) from the literary, intellectual and religious cultures of Chinese-speaking societies. These texts include visual and written materials on, among other things:

- linguistics
- literary theory and history
- media
- religions and thought
- urban culture

Students in the program have a number of options available to enhance their education through study abroad:

<https://international.clas.asu.edu/studyabroad> (<https://international.clas.asu.edu/studyabroad>). Highly-motivated students interested in learning Chinese to professional-level proficiency are encouraged to inquire about the Chinese Language Flagship Program:

<https://international.clas.asu.edu/chineseflagship> (<https://international.clas.asu.edu/chineseflagship>). All students with higher levels of linguistic competency may enroll in targeted courses (conducted in Chinese) offered as part of the Chinese flagship track.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities. Language-intensive careers include:

- foreign service officer
- intelligence officer
- international businessperson
- international banking and finance professional
- translator or interpreter
- language teacher
- professor of language, literature and culture
- multilingual administrative professional
- foreign correspondent or media professional
- travel professional
- NGO professional
- social services professional
- health professional
- law and immigration professional

Career fields and occupations using languages include:

- advertising, marketing or communications professional
- airline employee
- hospitality industry professional
- international education and study abroad administrator
- international law
- member of the military
- ministry

Additional education and certification may be required for some career paths.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/undergrad/majors>
LL 440
silcadvising@asu.edu
480-965-6281

Asian Languages (Japanese), BA (LAJPNBA)

Campus: TEMPE

Program Description:

Students in the BA in Asian languages with a concentration in Japanese study the language, literature and culture of Japan and gain a respectable measure of competence in reading, writing, oral and aural skills in the Japanese language. Students also gain linguistic and cultural competence through the required study of classical Japanese. Throughout the program, students take courses in either Chinese or Korean and related courses in Japanese and East Asian culture on topics such as:

- art
- government
- Japanese history
- linguistics
- literary and cultural theory
- religion

In addition, ASU offers summer or yearlong programs to study abroad in Japan. Go to <https://international.clas.asu.edu/studyabroad> (<https://international.clas.asu.edu/studyabroad>) for more information.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Language-intensive careers include:

- foreign correspondent or media professional
- foreign service officer
- health professional
- intelligence officer
- international banking and finance professional
- international businessperson
- language teacher
- law and immigration professional
- multilingual administrative professional
- NGO professional
- professor of language, literature and culture
- translator or interpreter
- travel professional
- social services professional

Career fields and occupations using languages include:

- advertising, marketing or communications professional
- airline employee
- hospitality industry professional
- international education and study abroad administrator
- international law
- member of the military
- ministry

Additional education and certification may be required for some career paths.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<https://international.clas.asu.edu/undergrad/majors>

LL 440

silcadvising@asu.edu

480-965-6281

Asian Pacific American Studies, BA (LAAPABA)

Campus: TEMPE

Program Description:

Asian Pacific American Studies gathers and develops research, scholarship and archival information on the long history and rich contemporary experiences, cultures and communities of Asian Pacific Americans in the Southwest. The program seeks to produce research that will inform policymakers, educators and society at large about Asian American and Pacific Islander communities.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Students who complete the bachelor's in Asian Pacific American studies may pursue a graduate degree in law, humanities or social sciences.

Students will also be prepared to work in positions involving:

- business
- community organizations
- creative arts
- education
- health
- immigration
- journalism
- law

Contact Information:

Liberal Arts & Sciences, College of

School of Social Transformation

<https://sst.clas.asu.edu/apas>

WILSN 125

SST@asu.edu

480-965-7682

Biochemistry, BA (LABCHBA)

Campus: TEMPE

Program Description:

The BA in biochemistry provides students with a course of study in the fundamental knowledge of the chemical substances and vital processes of living organisms. Discoveries of new drugs, the recognition and control of new pathogens, development of new catalysts for energy transformations and the production of new materials, and solutions to problems such as food production and environmental remediation depend upon a thorough grounding in this area of science.

Additional Program Fee: Y

Second Language Requirement: Y

First Required Math Course: MAT 251 - Calculus for Life Sciences/ OR MAT 270

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

A solid undergraduate education in biochemistry provides the necessary background for career paths in areas such as:

- chemical industries
- government
- health care
- research
- teaching

Students often study biochemistry with supporting work in biology and chemistry as the route for preprofessional training for careers in these fields:

- dentistry
- medicine
- pharmacy
- veterinary

Contact Information:

Liberal Arts & Sciences, College of
 Department of Chemistry and Biochemistry
<http://chemistry.asu.edu>
 PSD 102
chmugadv@asu.edu
 480-965-3461

Biochemistry, BS (LABCHBS)

Campus: TEMPE

Program Description:

The BS in biochemistry provides students with a course of study in the fundamental knowledge of the chemical substances and vital processes of living organisms. Discoveries of new drugs, the recognition and control of new pathogens, development of new catalysts for energy transformations and the production of new materials, and solutions to problems such as food production and environmental remediation depend upon a thorough grounding in this area of science.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
 Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

A solid undergraduate education in biochemistry provides the necessary background for career paths in chemical industries, government, health care, research, teaching and other areas.

Students planning careers in medicine, dentistry, pharmacy or veterinary medicine often study biochemistry with supporting work in biology and chemistry as the route for preprofessional training.

Contact Information:

Liberal Arts & Sciences, College of
 Department of Chemistry and Biochemistry
<http://chemistry.asu.edu>
 PSD 102
chmugadv@asu.edu

Biochemistry (Medicinal Chemistry), BS (LABCHMBS)

Campus: TEMPE

Program Description:

The science of biochemistry is about the discovery and dissemination of fundamental knowledge of the chemical substances and vital processes of living organisms. Discoveries of new drugs, the recognition and control of new pathogens, development of new catalysts for energy transformations and the production of new materials, and solutions to problems such as food production and environmental remediation depend upon a thorough grounding in this area of science. The bachelor's in biochemistry with a concentration in medicinal chemistry emphasizes aspects of biochemistry that will be useful to those planning careers in medically related areas.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with Biochemistry (Medicinal Chemistry) (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

A solid undergraduate education in biochemistry provides the necessary background for career paths in chemical industries, government, health care, research, teaching and other areas.

Students planning careers in medicine, dentistry, pharmacy or veterinary medicine often pursue the medicinal chemistry concentration, with supporting work in biology and chemistry as the route for preprofessional training.

Contact Information:

Liberal Arts & Sciences, College of

Department of Chemistry and Biochemistry

<http://chemistry.asu.edu>

PSD 102

chmugadv@asu.edu

480-965-3461

Biological Sciences, BS (LABSCBS)

Campus: TEMPE

Program Description:

The life sciences delve into the basic organization and processes of life (microbes, plants and animals) at scales ranging from molecules to ecosystems and in time from picoseconds to millennia. This includes investigations into how hereditary information is transferred and how organisms evolve, the interplay of organisms and their environments, and how these factors interact in health and disease. Students interested in a degree in life sciences can opt for a BS in biological sciences or choose one of four concentrations with biological sciences:

- animal physiology and behavior
- biology and society
- conservation biology and ecology

- genetics, cell and developmental biology

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Program Math Intensity: Moderate

Accelerated Degrees:

This degree is also offered as an accelerated degree with Biology (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Cochise College (<http://transfer.asu.edu/cochise>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities:

The biological sciences major with no concentration is designed for students who are committed to studying and training in multiple disciplines in biology and students who want to get more exposure to the life sciences before deciding whether they want to concentrate as an undergraduate. Therefore, students in this major take core courses from several concentrations. Students in this major have more flexibility to customize their program of study so they can focus on their own area of interest that may not have a concentration, such as plant biology or genomics.

The biological science major provides an excellent foundation for graduate study as well as preparation for professional schools in:

- dentistry
- medicine
- pharmacy
- veterinary medicine

Graduates may also enter positions in:

- certain technical fields
- education
- government
- industry

Contact Information:

Liberal Arts & Sciences, College of

School of Life Sciences

<https://sols.asu.edu/>

LSC 206

sols.advising@asu.edu

480-727-6277

Biological Sciences (Animal Physiology and Behavior), BS (LABSCABS)

Campus: TEMPE

Program Description:

Physiology is the study of how organisms regulate the flow of energy and maintain the conditions necessary for health, survival and reproduction. It might seem that physiology and behavior are quite separate fields, but physiology and behavior interact extensively to achieve common goals.

In the animal physiology and behavior concentration, students will receive a rigorous and broad education by studying behavior and physiology from the perspectives of molecular and cellular biology, evolution, organ systems (neural, endocrine, cardiovascular, respiratory, immune, etc.), and the environment. Students in this concentration also learn to apply principles from mathematics, chemistry and physics. Discoveries are made at the laboratory bench and in the field, and students in this concentration are encouraged to participate in research projects in the labs of our faculty members.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The broad education and critical thinking skills students receive in this concentration are well suited for a variety of rewarding careers. Premed, prevet and pre dental students get the background and courses needed for professional school application and beyond. Many students go on to graduate school for academic, teaching or research careers in areas such as:

- endocrinology
- environmental or behavioral physiology
- human physiology
- metabolism
- neurobiology
- social behavior

With a BS in this concentration, there are opportunities for technical positions in hospitals, research institutes, and industry (food, dairy, chemical, pharmaceutical, and biotechnology) as well as government laboratories and agencies. The most important skills students learn in the concentration are critical thinking and problem-solving skills that can be applied to many scientific problems and professions as well as the challenges of daily life.

Contact Information:

Liberal Arts & Sciences, College of

School of Life Sciences

<https://sols.asu.edu/>

LSC 206

sols.advising@asu.edu

480-727-6277

Biological Sciences (Biology and Society), BS (LABSCSBS)

Campus: TEMPE

Program Description:

The biology and society major focuses on training biology students to understand the social context of their science; to ask how and why a biological problem has been and should be studied to be able to explore the ways in which policy decisions shape and are shaped by biological research; and to investigate the meaning and significance of the life sciences in understanding our complex world.

The biology and society curriculum is highly individualized, including an independent research project.

Our program is privileged to be home to world-class researchers and teachers in several different fields, including bioscience ethics, history and

philosophy of science, science communication, science education and science policy. What makes us unique is that we are all based in the School of Life Sciences rather than being scattered in a variety of departments.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Program Math Intensity: Moderate

Accelerated Degrees:

This degree is also offered as an accelerated degree with Biology (Biology and Society) (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Biology and society students gain the historical, philosophical, political and ethical perspectives needed to explore interactions between the life sciences and related complex human issues. As a result, the program contributes to better informed and more effective teachers, writers, policymakers, clinicians and researchers in areas related to biology, medicine and society.

As a result of the individualized, skill-based curriculum, biology and society majors are eligible for a broad range of career options. Most majors have chosen to pursue professional degrees in medicine, law, public health or public policy, or graduate study in biology, ethics, education or history and philosophy of science. Our graduates enter the workforce, whether in academia, industry, government or clinical practice, with a deep sensitivity to the complexity of biology in society and the skill to navigate that complexity throughout their career.

Contact Information:

Liberal Arts & Sciences, College of

School of Life Sciences

<https://sols.asu.edu/>

LSC 206

sols.advising@asu.edu

480-727-6277

Biological Sciences (Conservation Biology and Ecology), BS (LABSCCBS)

Campus: TEMPE

Program Description:

Ecology is the study of the distribution and abundance of organisms, the interactions among organisms, and the interactions between organisms and the physical environment. Conservation biology is an applied science based on ecological principles that focuses on conserving biological diversity and on restoring degraded ecosystems. Arizona State University has made a commitment toward a more sustainable world and knowledge of conservation biology and ecology is one critical component to help us meet this global challenge.

Conservation biologists at ASU investigate the impact of humans on Earth's biodiversity and develop practical approaches to prevent the extinction of species and promote the sustainable use of biological resources. Some investigate the causes of ecosystem degradation and use ecological principles to reestablish desired conditions within a range of ecosystems, including rivers, wetlands, grasslands, urban landscapes and forests.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The curriculum prepares students for employment and provides a solid platform for students who wish to attend graduate school. The skills and concepts are preparation for careers with:

- governmental agencies such as the Environmental Protection Agency and state game and fish departments
- K-12 education, colleges and universities
- nongovernmental organizations such as The Nature Conservancy and Conservation International
- private companies focused on environmental resources, environmental law or environmental economics

The concentration can provide training in specific skills that might be needed in these areas:

- animal and plant physiology, identification and ecology
- behavioral ecology and population biology
- community, ecosystem and landscape ecology
- conservation of endangered species
- ecology of different habitats, including cities, lakes, rivers and grasslands
- restoration of degraded ecosystems

Contact Information:

Liberal Arts & Sciences, College of

School of Life Sciences

<https://sols.asu.edu/>

LSC 206

sols.advising@asu.edu

480-727-6277

Biological Sciences (Genetics, Cell and Developmental Biology), BS (LABSCGBS)

Campus: TEMPE

Program Description:

Genetics, cell and developmental biology are exciting, closely related areas of life science research. Genetics examines the blueprints of life (i.e., DNA sequence and gene expression) while cell biology studies the machinery of life enclosed within the boundaries of cells. Developmental biology uses genetics and cell biology to understand how genes and the environment interact to produce a whole new individual from a single cell, in addition to developmental changes that organisms undergo throughout life. Many diseases are understood through the study of genetics, cell biology and development.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Students in this concentration have a variety of career options. This degree provides the fundamental course work necessary for admission into medical, dental, veterinarian, pharmacy or graduate schools or any of the health professions. There also are many employment opportunities that can be pursued upon receipt of the BS in this concentration:

- animal breeder technician
- bioinformaticist
- biotechnologist
- cell culture specialist
- cloning technician
- crime lab technician
- cytotechnologist
- drug design technician
- food and drug inspector
- genetic counselor
- histologist
- in vitro fertilization technician
- plant improvement specialist
- teacher
- technical writer
- vaccine development technician

Students in this concentration learn critical thinking skills that can be applied to many scientific problems and professions as well as to the challenges of daily life. We encourage students to engage in independent research projects or internship opportunities in order to develop a better sense of how science is done.

Contact Information:

Liberal Arts & Sciences, College of
School of Life Sciences
<https://sols.asu.edu/>
LSC 206
sols.advising@asu.edu
480-727-6277

Biophysics, BS (LABIPHBS)

Campus: TEMPE

Program Description:

Biophysics is concerned with biological phenomena using the tools and methodologies of physics. The BS degree in biophysics is an interdisciplinary program, providing students with a working understanding of the important principles of physics, chemistry and biology that govern the molecular processes of life.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The broad range of applicability of the principles of biophysics gives great flexibility in a choice of career or further education including but not limited to:

- chemical industries
- engineering
- government
- health care
- physics research
- teaching and other areas

Contact Information:

Liberal Arts & Sciences, College of
Department of Physics
<https://physics.asu.edu>
PSF 470
physics.info@asu.edu
480-965-3561

Chemistry, BA (LACHMBA)

Campus: TEMPE

Program Description:

Chemistry is a central science that connects the hard sciences, including physics, with the soft sciences, such as biology and medicine, and provides the fundamental knowledge needed to deal with many needs of society. Discoveries of new materials, processes and solutions to problems such as pollution control depend upon a thorough grounding in this area of science. Students in the BA in chemistry program have opportunities to explore interests in analytical, inorganic, organic and physical chemistry as well as biochemistry, geochemistry, solid-state and materials chemistry.

Additional Program Fee: Y

Second Language Requirement: Y

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Cochise College (<http://transfer.asu.edu/cochise>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Career Opportunities:

A solid undergraduate education in chemistry provides the necessary background for many career paths in chemical industries, government and other areas. Chemistry can be combined with law for patent work, economics for sales and marketing careers, and computer science for careers in information storage and retrieval. Students planning careers in medicine, dentistry or veterinary medicine often pursue a course of study in chemistry with supporting work in biology as the route for preprofessional training.

Contact Information:

Liberal Arts & Sciences, College of
Department of Chemistry and Biochemistry
<http://chemistry.asu.edu>
PSD 102

chmugadv@asu.edu
480-965-3461

Chemistry, BS (LACHMBS)

Campus: TEMPE

Program Description:

Chemistry is a central science that connects the hard sciences, including physics, with the soft sciences, such as biology and medicine, and provides the fundamental knowledge needed to deal with many needs of society. Discoveries of new materials, processes and solutions to problems such as pollution control depend upon a thorough grounding in this area of science. Students in the bachelor's in chemistry program have opportunities to explore interests in analytical, inorganic, organic and physical chemistry as well as biochemistry, geochemistry, solid-state and materials chemistry.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with Nanoscience (PSM)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

A solid undergraduate program of education in chemistry provides the necessary background for many career paths in chemical industries, government and other areas. Chemistry can be combined with law for patent work, economics for sales and marketing careers, and computer science for careers in information storage and retrieval. Students planning careers in medicine, dentistry or veterinary medicine often pursue a course of study in chemistry with supporting work in biology as the route for preprofessional training.

Contact Information:

Liberal Arts & Sciences, College of
Department of Chemistry and Biochemistry
<http://chemistry.asu.edu>
PSD 102
chmugadv@asu.edu
480-965-3461

Chemistry (Environmental Chemistry), BS (LACHMEBS)

Campus: TEMPE

Program Description:

Chemistry is a central science that connects the hard sciences, including physics, with the soft sciences, such as biology and medicine, and provides fundamental knowledge needed to deal with many needs of society. Discoveries of new materials, processes and solutions to problems such as pollution control depend upon a thorough grounding in this area of science. Students in the BS in chemistry program have opportunities to explore interests in analytical, inorganic, organic and physical chemistry as well as biochemistry, geochemistry, solid-state and materials chemistry. The environmental chemistry concentration is especially appropriate for those with strong interests in solving environmental problems.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

A solid undergraduate program of education in chemistry provides the necessary background for many career paths in chemical industries, government and other areas. Chemistry can be combined with law for patent work, economics for sales and marketing careers, and computer science for careers in information storage and retrieval. Students planning careers in medicine, dentistry or veterinary medicine often pursue a course of study in chemistry with supporting work in biology as the route for preprofessional training. Students planning to work in areas related to the environment will find the environmental chemistry concentration especially appropriate.

Contact Information:

Liberal Arts & Sciences, College of

Department of Chemistry and Biochemistry

<http://chemistry.asu.edu>

PSD 102

chmugadv@asu.edu

480-965-3461

Communication, BA (LACOMBA)

Campus: TEMPE

Program Description:

The BA in communication focuses on teaching students how communication processes create, maintain and transform identities, relationships, workplaces and communities. Students can choose from course work in communication and healthy relating; communication and effective organizing; communication, advocacy and engaging public; communication, creativity and innovation or a combination of any of the above. Across the curriculum, students learn valuable and marketable knowledge and skills that prepare them for successful careers in a variety of industries in the public and private sectors.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students who are transferring into ASU must have a minimum transfer GPA of 2.50 in order to be admitted to the Hugh Downs School of Human Communication.

Students who have attended ASU in the past and who are returning to the university with transfer work must have a minimum 2.50 ASU cumulative GPA in order to be admitted into the Hugh Downs School of Human Communication.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)
Central Arizona College (<http://transfer.asu.edu/central-az>)

Career Opportunities:

Graduates of our program often attend leading graduate schools in communication, law or business schools, or find gainful employment in careers in the areas of:

- campaign management
- counseling
- entrepreneurship
- event planning
- health care management
- human resource management
- intercultural relations
- marketing
- nonprofit management
- public relations
- sales

Contact Information:

Liberal Arts & Sciences, College of
Hugh Downs School of Human Communication
<http://humancommunication.clas.asu.edu/>
STAUF 412
communication@asu.edu
480-965-5095

Communication, BS (LACOMBS)

Campus: ONLNE, TEMPE

Program Description:

The BS in communication focuses on teaching students how communication processes create, maintain and transform identities, relationships, workplaces and communities. Students can choose from course work in communication and healthy relating; communication and effective organizing; communication, advocacy and engaging public; communication, creativity and innovation or a combination of any of the above. Across the curriculum, students learn valuable and marketable knowledge and skills that prepare them for successful careers in a variety of industries in the public and private sectors.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Students who are transferring into ASU must have a minimum transfer GPA of 2.50 in order to be admitted to the Hugh Downs School of Human Communication.

Students who have attended ASU in the past and who are returning to the university with transfer work must have a minimum 2.50 ASU cumulative GPA in order to be admitted into the Hugh Downs School of Human Communication.

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-communication>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Graduates of our program often attend leading graduate schools in communication, law or business schools, or find gainful employment in careers in the areas of:

- campaign management
- counseling
- entrepreneurship
- event planning
- health care management
- human resource management
- intercultural relations
- marketing
- nonprofit management
- public relations
- sales

Contact Information:

Liberal Arts & Sciences, College of
Hugh Downs School of Human Communication
<http://humancommunication.clas.asu.edu/>
STAUF 412
communication@asu.edu
480-965-5095

Computational Mathematical Sciences, BS (LACMSBS)

Campus: TEMPE

Program Description:

Mathematics is a crucial component in many disciplines such as physics, life sciences, engineering, business, economics and social sciences. The BS in computational mathematical sciences is an interdisciplinary degree with components in mathematics, science and computing. A focus is placed on computational and numerical aspects of techniques used to solve a wide range of applied problems arising in practically any field of study.

A large component of the program involves understanding why and how computer algorithms work, as well as their limitations in terms of applicability and efficiency. This program is designed for students interested in computing and simulation of applied problems. It promotes creative skills and develops problem-solving tools needed in today's technological world.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with Mathematics (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Many careers require a command of quantitative methods, and persons qualified in mathematics hold a favorable edge in competition for these job

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opportunities. Employment for math majors can be found in virtually every area:

- academia (high school or college teacher, university professor)
- applied math (scientific computing)
- biotechnology
- business (actuary for banks or insurance companies, operations research)
- computer technology
- engineering
- government (consultant, federal and state organizations)
- medicine

A bachelor's in computational mathematical sciences is perhaps the most versatile of all math degrees. Career profiles for those majoring in mathematics are listed on the Mathematical Association of America website at <http://www.maa.org/careers> (<http://www.maa.org/careers>).

Contact Information:

Liberal Arts & Sciences, College of
School of Mathematical and Statistical Sciences
<http://math.asu.edu/>
PSA 211
math@asu.edu
480-965-7195

Earth and Environmental Studies, BA (LAEESBA)

Campus: TEMPE

Program Description:

The BA in earth and environmental studies will provide a foundational understanding of the evolution of the earth system with an emphasis on the planetary context for sustainable human societies. The degree includes broad training in the physical sciences, especially process-oriented geosciences that focus on Earth's life-sustaining surface environment. Advanced courses focus on topics including:

- climate change
- Earth's water, energy and material resources
- impacts of land-use change on human civilization
- physical, chemical and biological process interactions that define Earth's evolution

The degree is designed as a liberal arts program with an emphasis on basic scientific literacy, not as a preparatory degree for graduate study in natural science. However, successful graduates will be well prepared for "green" careers in fields such as:

- education
- environmental consulting
- environmental reporting
- natural resource management
- public planning

Additional Program Fee: Y

Second Language Requirement: Y

First Required Math Course: MAT 170 - Precalculus/MAT 210/MAT 251

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Coconino Community College (<http://transfer.asu.edu/coconino>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Earth and environmental studies graduates are prepared for positions in:

- consultancy
- education
- governmental agencies
- industry
- nongovernmental organizations
- nonprofit organizations
- regulatory agencies
- utilities

They are also well prepared for admission to strong professional schools. Recent environmental awareness in business and government has created new employment opportunities (e.g., environmental coordinators, directors and managers). By developing a breadth of knowledge and experience, and by acquiring the skills to integrate various domains of knowledge, earth and environmental studies students prepare themselves for a variety of careers to help find solutions to tomorrow's environmental and sustainability challenges.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
ISTB4 795
seseinfo@asu.edu
480-965-5081

Earth and Space Exploration, BS (LASESBS)

Campus: TEMPE

Program Description:

The BS in earth and space exploration offers students an integrated education across earth sciences, planetary sciences, astrophysics and engineering. The degree incorporates:

- a learning community that includes science and engineering students
- a yearlong collaborative capstone senior exploration project
- strong quantitative preparation

This strong foundation in geosciences, astrophysics and exploration engineering will prepare students for key roles in:

- earth resources and exploration
- environmental and geologic engineering
- space research and industry
- water and environmental use policy

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I/MAT 270

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The earth and space exploration major addresses critical future shortfalls in the national and regional training of the next generation of geoscientists

and aerospace engineers. Arizona has an expanding space industry with major new investments and is prepared to engage new technologies to monitor and understand environmental issues in Arizona, the Southwest and throughout the world. Students who major in earth and space exploration will have the tools, knowledge and understanding to address key problems of a global nature, whether they are working in the private or public sector.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
ISTB4 795
seseinfo@asu.edu
480-965-5081

Earth and Space Exploration (Astrobiology and Biogeosciences), BS (LASESABBS)

Campus: TEMPE

Program Description:

Astrobiology is the study of the origins, evolution, distribution and future of life in the universe. Biogeosciences focuses on the interaction of biological and geological processes on Earth at present and in the geologic past. These topics are closely related because the concepts of biogeoscience inform the study of planetary habitability and the search for habitable worlds. Therefore, the astrobiology and biogeoscience concentration is designed to offer students a strong foundation for exploring the interaction of geological and biological processes, how such interactions sustain life on Earth, and how they might operate on other planets. This scientific background is needed to contribute to the search for life on other planets as well as the exploration of extreme environments here on Earth. It also provides training in the interplay of forces that impact global change.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I/MAT 270

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Students in the astrobiology program will be well prepared for graduate studies in this field. Because astrobiology is increasingly the motivation for NASA exploration missions, they will also be well suited for entry-level careers at NASA research centers. The degree also provides broad training across a range of science fields, giving students a strong background for careers in biomedical, environmental or sustainability areas.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
ISTB4 795
seseinfo@asu.edu
480-965-5081

Earth and Space Exploration (Astrophysics), BS (LASESABS)

Campus: TEMPE

Program Description:

The BS in earth and space exploration with a concentration in astrophysics is designed to offer students a fundamental grounding in astronomy and astrophysics, with exposure to the related fields of geology, planetary science and engineering. Students will emerge from this program with the skills to pursue a career in astrophysics, physics or related fields.

The rigorous course work includes a combination of physics courses taught in the School of Earth and Space Exploration and the Department of Physics. Students should emerge from the program with the ability to compete at the national level on standardized physics exams. The tools of astronomical discovery are increasingly dependent on technological advances and students will be exposed to engineering principles. Through the capstone project in the senior year, students will gain valuable experience in translating science drivers into engineering specifics.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I/ MAT 270

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Career opportunities include but are not limited to:

- aerospace engineer
- astrobiologist
- astronomer
- computer programmer
- data analyst
- instrumentation specialist
- planetary scientist
- science policy intern
- science writer
- teacher
- telescope operator

Career settings include:

- federal government
- K-12 schools
- manufacturing
- museums
- NASA facilities
- national laboratories
- NSF facilities
- observatories
- planetariums
- publishing
- space industries
- universities and colleges

Some of the listed careers may require advanced degrees or additional certifications. This program also provides suitable preparation for graduate study.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration

<http://sese.asu.edu>

ISTB4 795

seseinfo@asu.edu

480-965-5081

Earth and Space Exploration (Exploration Systems Design), BS (LASESESDBS)

Campus: TEMPE

Program Description:

The exploration systems design concentration is designed to offer students a fundamental grounding in geology, physics and astrophysics, while providing the tools to enable them to design and build hardware and software to achieve specified scientific goals.

At the heart of the program is a sound grounding in the fundamentals of physics, mathematics and chemistry. Upon that foundation students explicitly tackle issues concerning hardware design, instrument assembly and, ultimately, how to knit these components together when conceiving the requirements needed for a mission or project destined for space or another planet.

As part of this degree, each student will have the opportunity to learn how projects and missions are designed and planned, starting with the scientific drivers and then defining engineering specifications. Each student will be expected to complete a senior project that takes a desired scientific measurement and realizes the technological solution to achieve the observation.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I/MAT 270

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Career opportunities include:

- astronomer
- geoscientist
- planetary scientist
- scientific instrumentation specialist
- science policy intern
- science writer
- space systems engineer
- systems engineer

Sample career settings include:

- aerospace industry
- federal government
- manufacturing
- NASA centers
- national laboratories
- observatories
- publishers
- space industries
- universities and colleges

Some of the listed careers may require advanced degrees or additional certifications. This program also provides suitable preparation for graduate study.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
ISTB4 795

Earth and Space Exploration (Geological Sciences), BS (LASESGSBS)

Campus: TEMPE

Program Description:

Geological science is the study of the Earth and other planets with an emphasis on the processes that have shaped them since the origin of the solar system, including the co-evolution of life, oceans, atmosphere and the Earth's climate system, and the record of that evolution encoded in rocks, soil, ice and isotopes. The BS in earth and space exploration with a concentration in geological sciences educates students in the fundamentals of the geological sciences, providing a solid background in chemistry, mathematics and physics, as well as interdisciplinary training in engineering, astronomy and planetary science.

Students will gain a strong understanding of field methods, as well as modern computing, remote sensing and instrumentation, in order to effectively study the natural environment and Earth's resources. Graduates of the program will learn to apply their knowledge for the benefit of Arizona, the nation and society in general.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 265 - Calculus for Engineers I/ MAT 270

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Central Arizona College (<http://transfer.asu.edu/central-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Sample careers include:

- environmental geologist
- geological engineer
- geologist
- mining geologist
- petroleum geologist
- science policy intern
- science writer

Sample career settings include:

- environmental industry
- geotechnical industry
- mining and petroleum
- museums
- publishers

Some of the listed careers may require advanced degrees or additional certifications. This program also provides suitable preparation for graduate study.

Contact Information:

Liberal Arts & Sciences, College of
School of Earth and Space Exploration
<http://sese.asu.edu>
ISTB4 795

Economics, BS (LAECNBS)

Campus: TEMPE

Program Description:

The BS program requires a strong core of economic theory, supplemented by mathematics and data analysis. In addition, students in the program choose from a variety of courses within the department as well as from the College of Liberal Arts and Sciences and the university. All students are encouraged to develop programs of study tailored to their individual needs and interests. The department's undergraduate program aims to provide students with the critical thinking and communication skills needed to succeed in business, government or graduate school. The mission of the Department of Economics at ASU is to provide the highest quality instruction to students, conduct cutting-edge research in economics, and provide leadership and service to our professional communities.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus or MAT 270

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Students who have sought careers following their undergraduate education have been very successful in business, consulting and government.

Others have gone on to the best law schools in the country and top PhD and MBA programs in the United States and abroad. Many graduates have won prestigious national awards, such as the Marshall Award, National Science Foundation fellowships, Fulbright fellowships and the Truman Award.

Contact Information:

Liberal Arts & Sciences, College of

Economics Program in CLAS

<http://wpcarey.asu.edu/economics-degrees>

CPCOM 412

wpcareyecn@asu.edu

480-965-3531

English, BA (LAENGBA)

Campus: ONLNE

Program Description:

Undergraduate students can pursue a BA degree in English completely online. The undergraduate program prepares students for an ever-expanding variety of careers or to continue their studies in graduate and professional programs.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)
International (<https://students.asu.edu/international/future>)
Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Career Opportunities:

With a degree in English, students' career options are virtually endless. Employers in all fields are always looking for workers with strong writing and communication skills and the ability to think critically. Some of the most common professions for English majors are in these fields:

- business
- editing
- journalism
- law
- medicine
- nonprofit organizations
- professional and technical writing
- public relations
- publishing
- teaching
- Web content development

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu/>
LL 542
englishadvising@asu.edu
480-965-3168

English (Creative Writing), BA (LAENGCB)

Campus: TEMPE

Program Description:

Undergraduate students can pursue BA degrees in English with concentrations in creative writing, linguistics, literature and secondary education. We also offer a BA degree in English completely online. Students in the creative writing concentration study and practice the art of writing poetry and fiction. The distinguished faculty in the Department of English are actively engaged in creative writing and scholarly research. Students gain practical experience through research and internships that prepare them for an ever-expanding variety of careers. The undergraduate programs also prepare students to continue their studies in graduate and professional programs.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

With a degree in English, students' career options are virtually endless. Employers in all fields are always looking for workers with strong writing and communication skills and the ability to think critically.

communication skills and the ability to think critically. Some of the most common professions for English majors are in these fields:

- business
- editing
- journalism
- law
- medicine
- nonprofit community service
- professional writing
- public relations
- publishing
- teaching
- Web content development

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu/>
LL 542
englishadvising@asu.edu
480-965-3168

English (Linguistics), BA (LAENG NBA)

Campus: TEMPE

Program Description:

Undergraduate students can pursue BA degrees in English with concentrations in creative writing, linguistics, literature and secondary education. We also offer a BA degree in English completely online. Students in the linguistics concentration focus on study of the history and structure of language.

The distinguished faculty in the Department of English are actively engaged in creative writing and scholarly research. Students gain practical experience through research and internships that prepare them for an ever-expanding variety of careers. The undergraduate programs also prepare students to continue their studies in graduate and professional programs.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with Teaching English to Speakers of Other Languages (MTESOL)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

With a degree in English, students' career options are virtually endless. Employers in all fields are always looking for workers with strong writing and communication skills and the ability to think critically. Some of the most common professions for English majors are in these fields:

- business
- journalism

- law
- medicine
- nonprofit community service
- professional writing and editing
- public relations
- publishing
- teaching
- Web content development

Contact Information:

Liberal Arts & Sciences, College of
 Department of English
<http://english.clas.asu.edu/>
 LL 542
englishadvising@asu.edu
 480-965-3168

English (Literature), BA (LAENGTBA)

Campus: TEMPE

Program Description:

Undergraduate students can pursue BA degrees in English with concentrations in creative writing, linguistics, literature and secondary education. We also offer a BA degree in English completely online. Students in the literature concentration study British, American and global literatures in English, from the earliest writings to the present. The distinguished faculty in the Department of English are actively engaged in creative writing and scholarly research. Students gain practical experience through research and internships that prepare them for an ever-expanding variety of careers. The undergraduate programs also prepare students to continue their studies in graduate and professional programs.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

With a degree in English, students' career options are virtually endless. Employers in all fields are always looking for workers with strong writing and communication skills and the ability to think critically. Some of the most common professions for English majors are in these fields:

- business
- journalism
- law
- medicine
- nonprofit community service
- professional writing and editing
- public relations
- publishing
- teaching
- Web content development

Contact Information:

Liberal Arts & Sciences, College of

Department of English
<http://english.clas.asu.edu/>
LL 542
englishadvising@asu.edu
480-965-3168

English (Secondary Education), BA (LAENGSEBA)

Campus: TEMPE

Program Description:

The BA in English with a concentration in secondary education provides rigorous content in literature, composition, linguistics and secondary teaching pedagogy. This program provides extensive preparation for meeting the needs of all student populations, including attention to levels of academic performance and cultural and linguistic diversity. Students finish the program with Arizona Department of Education certification for middle and high school English language arts. Fingerprint clearance and a background check is required in the second year of the program.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Students graduating with a bachelor's in English with a concentration in secondary education will have tremendous opportunities for employment. With more than one million students in a state ranked seventh in the nation in population growth, the need for certified teachers in Arizona is self-evident. Arizona State University provides more of those teachers than any other institution of higher education. Over the last 15 years, ASU grads have had their pick of teaching jobs around the valley and in the state. After student teaching in school districts in the greater Phoenix area or on one of the 22 Native American nations, students are often hired to teach in the same school in which they completed their internship. New teachers will continue to be in demand because the predicted rate of population growth in Arizona is still strong and the retirement rate of teachers is increasing.

Contact Information:

Liberal Arts & Sciences, College of
Department of English
<http://english.clas.asu.edu/>
LL 215
englishadvising@asu.edu
480-965-6074

Family and Human Development, BS (LAFASBS)

Campus: ONLNE, TEMPE

Program Description:

The BS in family and human development offers course work on the development of individuals and families as they relate to their social worlds. The required concentration in family studies and child development provides a focus on the development of children, adults and families. Students take a wide variety of courses on contemporary issues related to human development, from infancy through the end of the life span, and the development, formation and dissolution of families. Students develop proficiency in written communication, computer skills, statistics and research methods.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with Family and Human Development (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-family-and-human-development>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Cochise College (<http://transfer.asu.edu/cochise>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

As a liberal arts degree, the bachelor's in family and human development provides excellent preparation for future graduate work in:

- counseling
- family and developmental sciences
- law
- medicine
- social work

The bachelor's also prepares undergraduates for direct entry into positions in business, social service and government.

Contact Information:

Liberal Arts & Sciences, College of

Sanford School of Social and Family Dynamics

<https://thesanfordschool.asu.edu/>

SS 144

email@thesanfordschool.org

480-965-6978

Film (Film and Media Studies), BA (LAFMSBA)

Campus: ONLINE, TEMPE

Program Description:

The BA in film and media studies is an innovative program in the study of film, television, computer games, the Internet and screenwriting.

This program provides students with the analytic, creative and communication skills needed to interpret and create media texts, and it prepares students for opportunities in the entertainment industry as executives, producers and writers. The bachelor's will empower students to be critical consumers of media, creative industry professionals and rigorous scholars of media texts and culture.

The film and media industries are undergoing constant transformation as a result of industry reorganization, globalization, new technologies and

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increasingly sophisticated forms of artistic expression and storytelling. This curriculum aims to put students on the forward edge of that change.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-film-and-media-studies>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The film and media studies concentration provides undergraduates with skills that can be applied in a number of professional fields. It prepares students for a variety of career opportunities as leaders within the media entertainment industries, including:

- creative management
- critics
- development
- marketing and regulation
- teaching

Former students of film and media studies have gone on to pursue graduate studies at other prestigious universities. Others have selected career paths in the film, media and entertainment industries.

Contact Information:

Liberal Arts & Sciences, College of

Department of English

<http://english.clas.asu.edu/film>

LL 542

englishadvising@asu.edu

480-965-3168

French, BA (LAFREBA)

Campus: TEMPE

Program Description:

Students of the BA in French study the language, literature and culture of France and francophone countries. They gain competence in reading, writing, oral and aural skills in the French language and are required to take a number of related courses on topics such as:

- art
- cultural theory
- French history and civilization
- government
- international business
- linguistics
- literary theory
- religion

Students are encouraged to join the French Club to help them gain proficiency in the language. In addition, the School of International Letters and Cultures offers faculty-directed summer study abroad programs in France and Quebec, Canada, and endorses partnership and exchange programs

in francophone Africa, Canada and Europe. Go to <https://international.clas.asu.edu/study-abroad/summer-programs> (<https://international.clas.asu.edu/study-abroad/summer-programs>) for more information.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Language-intensive careers include:

- foreign correspondent or media professional
- foreign service officer
- health professional
- intelligence officer
- international banking and finance professional
- international businessperson
- language teacher
- law and immigration professional
- multilingual administrative professional
- NGO professional
- professor of language, literature and culture
- social services professional
- translator or interpreter
- travel professional

Career fields using languages include:

- advertising, marketing or communications professional
- airline employee
- hospitality industry professional
 - hotel and resort management
 - film, television or multimedia
 - foreign correspondence or journalist
 - intelligence officer
 - international education and study abroad administrator
 - international law
 - member of the military
 - ministry

Additional education or certification may be required for some career paths.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<https://international.clas.asu.edu/undergrad/majors>

LL 440

silcadvising@asu.edu

Geographic Information Science, BS (LAGISBS)

Campus: TEMPE

Program Description:

This program focuses on the computational dimension of geographic information system technology. Students in the program will learn concepts in spatial thinking, geographic problem solving, mathematical and statistical spatial modeling, and computational principles in GIS. Students will learn to use commercial and open source GIS and related software. Students will also learn to program in more than one programming language (e.g., Java, C++, and Python). These essential programming skills combined with GIS knowledge will form the basis for designing and implementing GIS software.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Career opportunities are found in private and public sectors. In the private sector, students may find employment with software development companies such as Esri, Oracle or Google. Job activities will range from designing desktop systems, implementing web and mobile applications, and developing workflow systems. Public sector job activities involve customizing spatial models and systems for local or national agencies, including Web or mobile applications, customized desktop systems and project management.

Contact Information:

Liberal Arts & Sciences, College of

School of Geographical Sciences and Urban Planning

<http://geoplan.asu.edu>

COOR 5671

geoplan@asu.edu

480-965-7533

Geography, BA (LAGCUBA)

Campus: TEMPE

Program Description:

Geographers have a unique spatial perspective in understanding the modern world, global to local, through the twin lenses of space and place. The BA in geography emphasizes humanistic and cultural traditions, and students pursuing undergraduate studies in geography typically concentrate knowledge-building in understanding various cultural phenomena or in studying regions such as:

- Africa
- Asia
- Europe
- Latin America

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Geographers obtain careers in:

- community development
- foreign service
- geodemographic analysis
- governmental organizations
- intelligence analysis
- international trade
- nongovernmental organizations
- public sector transportation planning
- teaching
- urban and regional planning

Contact Information:

Liberal Arts & Sciences, College of

School of Geographical Sciences and Urban Planning

<http://geoplan.asu.edu/>

COOR 5671

geoplan@asu.edu

480-965-7533

Geography, BS (LAGCUBS)

Campus: TEMPE

Program Description:

Geographers have a unique spatial perspective in understanding the modern world, global to local, through the twin lenses of space and place. The BS in geography emphasizes spatial patterns in natural science features such as:

- landforms
- plants
- water
- weather

or in social science or environmental science dynamics involving:

- economic patterns
- human populations
- transportation

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

With a focus on geospatial techniques, geographers with a bachelor's in science go on to careers as:

- cartographers
- computer cartographers
- environmental impact analysts
- geographic information science specialists and analysts
- geospatial software developers
- hydrology and water resource specialists
- location analysts for businesses
- remote sensing analysts

Graduates are presented with a host of other geospatial career options in the burgeoning fields of geographic information science, mapping and navigation systems.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/>
COOR 5671
geoplan@asu.edu
480-965-7533

Geography (Meteorology-Climatology), BS (LAGCUMBS)

Campus: TEMPE

Program Description:

The meteorology-climatology concentration under the BS in geography is designed to meet the requirements of certification as a meteorologist by the National Weather Service. As such, it requires a heavy concentration on:

- dynamic meteorology (atmospheric physics)
- mathematics (requiring three semesters of calculus)
- physics (two semesters of calculus-based physics)
- synoptic meteorology (operational weather forecasting)

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Students successfully completing the program have found employment with:

- energy power companies (Salt River Project, Arizona Public Service)
- government agencies (Arizona Department of Environmental Quality, United States Environmental Protection Agency, United States Army Corps)

of Engineers)

- National Weather Service
- United States Air Force (meteorology, pilot training)

This program also provides suitable preparation for graduate study in either meteorology or climatology.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/>
COOR 5671
geoplan@asu.edu
480-965-7533

Geography (Urban Studies), BS (LAGCUUBS)

Campus: TEMPE

Program Description:

The urban studies concentration under the BS in geography is designed to facilitate the growing interest in urban areas, with special emphasis on studying the Phoenix metropolitan area and other rapidly urbanizing regions in arid climates. Tied with geographic information science, the urban studies major brings both knowledge and skill sets together in a powerful way.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Students successfully completing the program often find employment with city planning agencies as well as government agencies at various levels (county, state, federal). The urban studies major, especially when combined with a focus on geographic information science, gives graduates an advantage in careers in urban planning and other jobs dealing with urban issues, including:

- economic development planning
- housing issues
- transportation

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/>
COOR 5671
geoplan@asu.edu
480-965-7533

German, BA (LAGERBA)

Campus: TEMPE

Program Description:

Students in the BA in German study the language, literature and culture of German-speaking people and gain a respectable measure of competence in reading, writing, oral and aural skills in the German language. They are required to take a number of related courses on topics such as:

- art
- German history
- government
- international business
- religion

Students are encouraged to study abroad in Germany as participants in the School of International Letters and Cultures faculty-directed summer program in Regensburg, or in one of the academic-year exchange programs available at several German universities. Go to <https://international.clas.asu.edu/studyabroad> (<https://international.clas.asu.edu/studyabroad>) for more information.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Language-intensive careers include:

- foreign correspondent or media professional
- foreign service officer
- health professional
- intelligence officer
- international banking and finance professional
- international businessperson
- language teacher
- law and immigration professional
- multilingual administrative professional
- NGO professional
- professor of language, literature and culture
- social services professional
- translator or interpreter
- travel professional

Career fields and occupations using languages include:

- advertising, marketing or communications professional
- airline employee
- hospitality industry professional
- international education and study abroad administrator
- international law
- member of the military
- ministry

Additional education and certification may be required for some career paths.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/undergrad/majors>
LL 440
silcadvising@asu.edu
480-965-6281

Global Health, BA (LASSHBA)

Campus: ONLNE, TEMPE

Program Description:

The BA in global health is an interdisciplinary degree designed for students who seek a broad and flexible set of skills for understanding contemporary health challenges and thinking about how they might best be solved. "Global" is understood in the anthropological sense, meaning ways of understanding and addressing disease, health and well-being that can incorporate all cultures, places and time and that can integrate knowledge of health's social, historical, biological and ecological dimensions.

The curriculum emphasizes the development of core skills in critical thinking, problem-solving and the importance of direct experience (research, study abroad, service learning and advocacy). The degree cultivates capacities to deal with any complex problem with social components: how to identify the critical issues, ask the right questions and create solutions that are meaningful and effective.

Students are required to participate in an approved global health study abroad program.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with Global Health (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Nationally and internationally, the health field provides enormous and varied career opportunities, and demand is high, and growing, for graduates with skills. The major supports the goals of those pursuing careers in academic research, teaching and health services and sample employment venues include:

- departments of health
- government agencies
- international agencies (World Health Organization, Center for Disease Control, Global Health Council, World Bank, Inter-American Development Bank)
- nongovernmental organizations
- private sector
- universities

The degree also provides a broad intellectual base for those who plan advanced specialist health training in fields such as:

- dentistry
- medicine
- nursing
- pharmacy

In Arizona and elsewhere, there is a pressing need for professionals with appropriate skills to work in cross-cultural settings or with underserved populations (such as migrants, minorities and those living in poverty), and many of these jobs are directly or indirectly related to health.

Contact Information:

Liberal Arts & Sciences, College of
 School of Human Evolution & Social Change
<https://shesc.asu.edu/undergraduate/undergraduate-studies>
 SHESC 233
 shesc.undergrad@asu.edu
 480-965-6215

Global Studies, BA (LASGSBA)

Campus: TEMPE

Program Description:

Global studies examines the causes and consequences of problems that cross national boundaries and the governance of these problems in social, cultural and economic contexts. The major focuses on real-world problems and their solutions in the context of the New American University. This mission is enabled by an internationally recognized faculty who have extensive global experience from a wide variety of disciplines in the social sciences, humanities and law. The global studies program uses teaching, research and public policy activities to address some of the most challenging issues that include:

- built environments
- economic and social development
- global cities and urbanization
- global governance of quality of life issues such as health and climate change
- justice and human rights
- religious identities, rights and conflicts
- world culture

Within the program's intellectual framework, students are required to take courses in at least two areas of emphasis, providing them with a broad understanding of global processes and institutions. Areas of emphasis include:

- cultural perspectives and place
- economic development
- global governance
- urban systems and environment
- violence, conflict and human rights

Global studies faculty members orient their work toward solving global problems by drawing on their training in diverse disciplines, including:

- anthropology
- economics
- geography
- history
- law
- planning
- political science
- sociology

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with Political Science (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their

academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

A global studies degree prepares students for professional and graduate training (including law, business and public policy) and provides professional training to future decision-makers in government, business and policy entities.

Contact Information:

Liberal Arts & Sciences, College of
School of Politics and Global Studies

<https://pgs.clas.asu.edu/>

COOR 6797

spgs@asu.edu

480-965-8563

History, BA (LAHISBA)

Campus: ONLNE, TEMPE

Program Description:

The BA in history is an interdisciplinary degree designed to have students explore the development of human society and the political, social, economic and cultural dynamics that influence today's complex world. Course work encourages students to develop a breadth and depth of understanding about today's complex world and cover a wide range of geographic regions, including: Africa, Asia, Europe, Latin America, Middle East and the United States.

A bachelor's in history prepares students for successful careers in business, education and public service. Our graduates also find a distinct edge in pursuing a graduate degree in fields such as business, history, justice studies, law and public administration. Students choose a primary geographic concentration from:

- Asia
- Europe
- Latin America
- United States

Students considering the online campus bachelor's in history choose a primary concentration in either United States or world history.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with History (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-history>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Cochise College (<http://transfer.asu.edu/cochise>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

History majors seek jobs in:

- archival research
- business and industry
- communications
- education
- foreign service
- law enforcement
- museums
- public administration
- social services

History is an excellent foundation for graduate and professional studies in:

- business
- history
- justice studies
- law
- medicine
- public administration
- public history
- theology

A high-quality record as a history major indicates to employers and admissions officers that the student has acquired a respectable degree of literacy. It also demonstrates the student has the ability to conduct research, assimilate material, read critically and evaluate conflicting interpretations of events.

Contact Information:

Liberal Arts & Sciences, College of

Historical, Philosophical & Religious Studies, Sch

<http://shprs.clas.asu.edu/undergrad/history>

COOR 3307

SHPRSadvising@asu.edu

480-965-8364

History (Secondary Education), BA (LAHISSEBA)

Campus: TEMPE

Program Description:

The secondary education concentration within the history BA offers a flexible degree to students of history who are considering a career in education. The concentration fully prepares students for teaching and certification. At the same time, the concentration provides all the disciplinary knowledge of a traditional history degree and prepares students for a variety of non-education careers. By developing strong critical reading, writing and research skills as well as skills in oral presentation, the concentration creates a solid foundation for graduate work in history, law or business.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

- business and industry
- education
- law enforcement
- public history and archival research
- social work

Contact Information:

Liberal Arts & Sciences, College of

Historical, Philosophical & Religious Studies, Sch

<http://shprs.clas.asu.edu/undergrad/ba/history-secondary-education>

COOR 3307

shprsadvising@asu.edu

480-965-8364

Integrated Studies, BA (LAISTBA)

Campus: TEMPE

Program Description:

The integrated studies program is a unique and highly focused individualized plan of study for students whose academic interests are not served by more traditional disciplinary pursuits. Developed for academically superior students whose interests lie beyond established departmental emphases and boundaries, the integrated studies program provides students the opportunity to work one-on-one with faculty mentors to create a personalized and individually tailored bachelor of arts plan.

Students who elect and are approved to develop an integrated studies major will pursue a focused and coherent course of study that draws its curricula from more than one academic department or college.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Not available to freshmen. There is an additional application for this degree. Admissions consist of completion of 32 credit hours at ASU with a GPA of at least 3.25 and three letters of recommendation from ASU faculty members. For more information contact the assistant dean for academic affairs, Office of Student and Academic Programs, Fulton Center, Suite 110.

Career Opportunities:

The professional and vocational opportunities provided by the integrated studies major will depend on the area of concentration and the particular focus of study. The integrated studies major shares with all other liberal arts and sciences programs in the goal of developing students' analytical abilities and communication skills. The program combines breadth of learning across multiple disciplinary contexts with an appropriate depth in a focused area of inquiry. Integrated studies graduates are prepared to enter the work force or pursue graduate or professional studies at the completion of their undergraduate program.

Contact Information:

Liberal Arts & Sciences, College of
Dean, College of Liberal Arts and Sciences
<https://clas.asu.edu/node/20812>
FULTN 110
clas@asu.edu
480-965-6506

Integrated Studies, BS (LAISTBS)

Campus: TEMPE

Program Description:

The integrated studies program is a unique and highly focused individualized plan of study for students whose academic interests are not served by more traditional disciplinary pursuits. Developed for academically superior students whose interests lie beyond established departmental emphases and boundaries, the integrated studies program provides students the opportunity to work one-on-one with faculty mentors to create a personalized and individually tailored bachelor of science plan.

Students who elect and are approved to develop an integrated studies major will pursue a focused and coherent course of study that draws its curricula from more than one academic department or college.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Not available to freshmen. There is an additional application for this degree. Admissions consist of completion of 32 credit hours at ASU with a GPA of at least 3.25 and three letters of recommendation from ASU faculty members. For more information contact the assistant dean for academic affairs, Office of Student and Academic Programs, Fulton Center, Suite 110.

Career Opportunities:

The professional and vocational opportunities provided by the integrated studies major will depend on the area of concentration and the particular focus of study. The integrated studies major shares with all other liberal arts and sciences programs in the goal of developing students' analytical abilities and communication skills. The program combines breadth of learning across multiple disciplinary contexts with an appropriate depth in a focused area of inquiry. Integrated studies graduates are prepared to enter the work force or pursue graduate or professional studies at the completion of their undergraduate program.

Contact Information:

Liberal Arts & Sciences, College of
Dean, College of Liberal Arts and Sciences
<https://clas.asu.edu/node/20795>
FULTN 110
clas@asu.edu
480-965-6506

International Letters and Cultures, BA (LASLCBA)

Campus: TEMPE

Program Description:

The BA in international letters and cultures is a degree grounded in the advanced study of at least one foreign language. It is a more transcultural and transdisciplinary degree than a traditional languages and literature degree and is designed to encourage students to explore and even challenge the traditional boundaries of cultures, texts and disciplines. Students work with faculty and advisors to choose a program that requires study and research in a minimum of two cultures or disciplines (or both).

Students must meet with an advisor in the School of International Letters and Cultures to discuss this degree option; it is not recommended for first year students.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Language-intensive careers include:

- foreign correspondent or media professional
- foreign service officer
- health professional
- intelligence officer
- international banking and finance professional
- international businessperson
- language teacher
- law and immigration professional
- multilingual administrative professional
- NGO professional
- professor of language, literature and culture
- social services professional
- translator or interpreter
- travel professional

Career fields and occupations using languages include:

- advertising, marketing or communications professional
- airline employee
- hospitality industry professional
- international education and study abroad administrator
- international law
- member of the military
- ministry

Additional education and certification may be required for some career paths.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<https://international.clas.asu.edu/undergrad/majors>

LL 440

International Letters and Cultures (Classical Civilization), BA (LASLCVBA)

Campus: TEMPE

Program Description:

Classics is an interdisciplinary field that includes the study of the literature, art, history and philosophy of the ancient Greeks and Romans, subjects which fueled the Renaissance and have continued to provide an intellectual foundation for innovative and influential people ever since.

ASU's BA in international letters and cultures with a concentration in classical civilization provides a thorough grounding in the culture and history of the ancient Greeks or Romans while allowing students to satisfy their language requirement outside the classics. The degree begins with two cores: an introduction to ancient Greek and Roman literature (read in English translation) and knowledge of ancient history. With that basis, students are allowed to build a program to meet their needs and interests. Among the variety of topics students pursue are:

- the art and architecture of the ancient Egyptians, Greeks and Romans
- the archaeology of the ancient Mediterranean world
- ancient history, war, politics and economics
- the use of the classics in today's film, books and other media
- the thought of figures such as Plato, Aristotle and Lucretius
- the mythology and religious practices of the Greeks and Romans

In addition to the concentration in classical civilization, ASU also offers a classics concentration, with a similar focus, but more emphasis on training in ancient languages. Students should consult their advisor and choose the concentration that best meets their needs.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

College graduates with a degree in classical civilization have the valuable experience of studying a culture very different from, and yet lying at the root of, the modern world. This gives them a perspective that serves them well in a variety of disciplines. Classical civilization graduates may consider careers in:

- business
- law
- public service
- teaching in K-12 schools
- writing and editing (journalism, fiction, technical writing)

Additional education may be required for some career fields.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<https://international.clas.asu.edu/undergrad/majors>

LL 4058

classical_civ@asu.edu

480-965-6281

International Letters and Cultures (Classics), BA (LASLCCBA)

Campus: TEMPE

Program Description:

Classics is the study of the literature, art, history and philosophy of the ancient Greeks and Romans—an interdisciplinary field that fueled the Renaissance and that has continued to provide an intellectual foundation for innovative and influential people ever since. ASU's BA in international letters and cultures with a concentration in classics begins with two cores: language skills in ancient Greek or Latin (or, if the student chooses, both) and knowledge of ancient history. With that basis, students are allowed to build a program to meet their needs and interests. Among the variety of topics students pursue are:

- ancient history, war, politics and economics
- literary classics such as Homer, Sophocles, Vergil and Ovid
- the archaeology of the ancient Mediterranean world
- the art and architecture of the ancient Egyptians, Greeks and Romans
- the mythology and religious practices of the Greeks and Romans
- the thought of figures such as Plato, Aristotle and Lucretius
- the use of the classics in today's film, books, and other media

In addition to the concentration in classics, ASU also offers a classical civilization concentration, with a similar focus but different language requirements. Students should consult their advisor and choose the concentration that best meets their needs.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

College graduates with a degree in the classics have developed skills in research and the precise use and analysis of language that will serve them well in a wide range of fields. The interdisciplinary study of a culture very different from, and yet lying at the root of, the modern world also fosters a student's ability to view issues from many angles and think critically about them. Classics graduates often find careers in:

- business
- Christian ministry
- law
- politics
- teaching Latin or Greek in K-12 schools
- university teaching (after graduate school)
- writing and editing (journalism, fiction, technical writing)

As many employers are well aware, a classics graduate has the training to solve difficult puzzles, to see through obscure language and to conduct rigorous research on often ill-defined problems. These skills are prized in any field of endeavor.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<https://international.clas.asu.edu/undergrad/majors>

LL 440

silcadvising@asu.edu

480-965-6281

Italian, BA (LAITABA)

Campus: TEMPE

Program Description:

Students in the BA in Italian study the language, literature and culture of Italy and gain a respectable measure of competence in reading, writing, oral and aural skills in the Italian language. They are required to take a number of related courses on topics such as:

- art
- government
- Italian history
- religion

Faculty-directed summer programs in Italy are available for students who wish to study the language and culture while living in the country. See the website for information: <https://international.clas.asu.edu/study-abroad/summer-programs> (<https://international.clas.asu.edu/study-abroad/summer-programs>). Study abroad programs in various cities in Italy are also available during the academic year.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Language-intensive careers include:

- foreign correspondent or media professional
- foreign service officer
- health professional
- intelligence officer
- international banking and finance professional
- international businessperson
- language teacher
- law and immigration professional
- multilingual administrative professional
- NGO professional
- professor of language, literature and culture
- social services professional
- travel professional
- translator or interpreter

Career fields and occupations using languages include:

- advertising, marketing, or communications professional
- airline employee
- hospitality industry professional
- international education and study abroad administrator
- international law
- member of the military
- ministry

Additional education and certification may be required for some career paths.

Contact Information:

Liberal Arts & Sciences, College of
School of International Letters and Cultures
<https://international.clas.asu.edu/undergrad/majors>
LL 440
silcadvising@asu.edu
480-965-6281

Jewish Studies, BA (LAJSTBA)

Campus: TEMPE

Program Description:

The BA in Jewish studies offers an interdisciplinary, cross-cultural program of study in the humanities that examines ethical, religious and spiritual values while exploring a range of philosophical and political viewpoints and providing a balance to the study of contemporary science and technology. The major focuses on the study of Judaism, defined as the civilization of the Jews. It considers Jewish history and modern life, enhances the student's understanding of Jewish contributions to Western civilization, and facilitates enhanced cultural awareness and global perspective.

Students are required to complete course work in one thematic concentration selected from:

- history and society
- literature and culture
- religion and thought

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Students who receive a bachelor's in Jewish studies and pursue a career with one of the hundreds of U.S. companies that do business in Israel will have a competitive edge because of their familiarity with the Hebrew language and Jewish culture. Jewish studies graduates are also prepared to:

- attend rabbinical seminary in preparation for becoming a community rabbi or chaplain
- engage in world political and economic issues
- pursue advanced education in Jewish professional service fields
- pursue advanced degrees related to their area of interest in fields that may include:
 - archaeology
 - creative writing
 - ethics
 - film and media
 - history
 - journalism
 - justice studies
 - law
 - philosophy
 - political science
 - religious studies

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://jewishstudies.clas.asu.edu/>
COOR 4465
SHPRSAdvising@asu.edu
480-727-6906

Justice Studies, BA (LAJUSBA)

Campus: TEMPE

Program Description:

For more than 25 years, we have been the intellectual hub for the study of justice at ASU by producing cross-disciplinary knowledge and educating generations of social change agents and justice studies scholars. The program emphasizes five core areas of study:

- citizenship, migration and human rights
- globalization, sustainability and economic justice
- law, policy and social change
- media, technology and culture
- social identities and communities

The goal is to enable students, faculty and graduates to use their skills to find solutions to complex social problems.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Justice Studies (MS)

Science and Technology Policy (MSTP)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Many graduates go on to law school, graduate school or other professional degree programs. Students emerge from this program with the knowledge and skills designed to bring social justice concerns to their professional careers. Our graduates work in a variety of fields, including:

- human welfare and social work
- lawyers and law enforcement
- nongovernmental organizations
- other public service

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://sst.clas.asu.edu/justice-and-social-inquiry>

Justice Studies, BS (LAJUSBS)

Campus: ONLINE, TEMPE

Program Description:

For more than 25 years, we have been the intellectual hub for the study of justice at ASU by producing cross-disciplinary knowledge and educating generations of social change agents and justice studies scholars. The program emphasizes five core areas of study:

- citizenship, migration and human rights
- globalization, sustainability and economic justice
- law, policy and social change
- media, technology and culture
- social identities and communities

The goal is to enable students, faculty and graduates to use their skills to find solutions to complex social problems.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Justice Studies (MS)

Science and Technology Policy (MSTP)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-justice-studies>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Cochise College (<http://transfer.asu.edu/cochise>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Many graduates go on to law school, graduate school or other professional degree programs. Students emerge from this program with the knowledge and skills designed to bring social justice concerns to their professional careers. Our graduates work in a variety of fields, including:

- human welfare and social work
- lawyers and law enforcement
- nongovernmental organizations

- other public service

Contact Information:

Liberal Arts & Sciences, College of
 School of Social Transformation
<http://sst.clas.asu.edu/justice-and-social-inquiry>
 WILSN 125
 SST@asu.edu
 480-965-7682

Mathematics, BA (LAMATBA)

Campus: TEMPE

Program Description:

The BA in mathematics is a broad, skills-based degree with applications in many career fields. This program provides a general background in mathematics, which leads to improved critical thinking and problem-solving skills. Mathematics is a crucial component in many disciplines such as engineering, life sciences, business, economics and social sciences. The BA requires six fewer credit hours within the major than the BS. However, unlike the BS, the BA program has a foreign language requirement.

Additional Program Fee: Y

Second Language Requirement: Y

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Cochise College (<http://transfer.asu.edu/cochise>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Career Opportunities:

Many careers require a command of quantitative methods, and persons qualified in mathematics hold a favorable edge in competition for these job opportunities. Employment for math majors can be found in virtually every area, including:

- academia (high school or college teacher, university professor)
- applied math (scientific computing)
- biotechnology
- business (actuary for banks or insurance companies, operations research)
- computer technology
- engineering
- government (consultant, federal and state organizations)
- medicine

Career profiles for those majoring in mathematics are listed on the Mathematical Association of America website at <http://www.maa.org/careers/> (<http://www.maa.org/careers/>).

Graduates with a bachelor's in mathematics often pursue a master's degree in more applied fields. Graduates can also become certified to teach mathematics in secondary education.

Contact Information:

Liberal Arts & Sciences, College of

School of Mathematical and Statistical Sciences
<http://math.asu.edu/>
PSA 211
math@asu.edu
480-965-7195

Mathematics, BS (LAMATBS)

Campus: TEMPE

Program Description:

The BS in mathematics provides students with breadth and depth in advanced mathematics. Students completing this program will learn both theoretical and applied mathematical concepts, which lead to enhanced critical thinking and problem-solving skills. Mathematics is a crucial component in many disciplines, including the natural sciences, engineering, humanities, business and social sciences. The BS includes more analytical and advanced courses than the BA. Many BS majors are dual majors in a related applied field such as physics, computer science, philosophy, economics, finance or psychology.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with Mathematics (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Many careers require a command of quantitative methods, and persons qualified in mathematics hold a favorable edge in competition for these job opportunities. Employment for math majors can be found in virtually every area, including:

- academia (high school or college teacher, university professor)
- applied math (scientific computing)
- biotechnology
- business (actuary for banks or insurance companies, operations research)
- computer technology
- engineering
- government (consultant, federal and state organizations)
- medicine

Career profiles for those majoring in mathematics are listed on the Mathematical Association of America website at <http://www.maa.org/careers>.

(<http://www.maa.org/careers>) Graduates with a bachelor's in mathematics often go on to pursue a master's or doctorate in math or related fields.

Contact Information:

Liberal Arts & Sciences, College of
School of Mathematical and Statistical Sciences
<http://math.asu.edu/>
PSA 211
math@asu.edu
480-965-7195

Mathematics (Secondary Education), BS (LAMATSBS)

Campus: TEMPE

Program Description:

The BS in mathematics with a concentration in secondary education focuses on the mathematics that secondary education teachers need as background for their own understanding as well as the methods they will be using to teach high school students. Students graduating with this concentration will have the recommendation from the Mary Lou Fulton Teachers College to the State of Arizona for high school mathematics certification. This bachelor's degree is also intended for students who wish to pursue a graduate degree in mathematics.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Many careers require a command of quantitative methods, and persons qualified in mathematics hold a favorable edge in competition for these job opportunities. Employment for math majors can be found in virtually every area, including:

- academia (high school or college teacher, university professor)
- applied math (scientific computing)
- biotechnology
- business (actuary for banks or insurance companies, operations research)
- computer technology
- engineering
- government (consultant, federal and state organizations)
- medicine

Career profiles for those majoring in mathematics are listed on the Mathematical Association of America website at <http://www.maa.org/careers> (<http://www.maa.org/careers>). This bachelor's degree is especially advantageous for competitive high school teaching positions or for those who plan to pursue a master's or doctorate in mathematics or related fields.

Contact Information:

Liberal Arts & Sciences, College of

School of Mathematical and Statistical Sciences

<http://math.asu.edu/>

PSA 211

math@asu.edu

480-965-7195

Mathematics (Statistics), BS (LAMATTBS)

Campus: TEMPE

Program Description:

The BS in mathematics with a concentration in statistics focuses on course work related to the statistical analysis of data and the evaluation of probabilistic models based on these data. Such models are heavily used in the banking and insurance industries, but also increasingly in engineering fields where the effects of noise sometimes play a critical role in the behavior of a model. Many students in the statistics concentration are dual business or economics majors.

Mathematics is a crucial component in many disciplines where the need for quantification in the analysis of phenomena is strong, such as:

- business and economics
- engineering applications
- life sciences
- physics
- social sciences

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Employment opportunities for math majors can be found in virtually all sectors of industry, including:

- academia (high school or college teacher, university professor)
- applied math (scientific computing)
- biotechnology
- business (actuary for banks or insurance companies, operations research)
- computer technology
- engineering
- government (consultant, federal and state organizations)
- medicine

A course of study in statistics is especially useful in technical positions in finance, insurance and business, as well as in fields where data analysis plays an important role, such as genomics.

Graduates also have the option of becoming certified to teach mathematics in public middle schools and high schools. Many careers require a command of quantitative methods, and persons qualified in mathematics hold a favorable edge in competition for job opportunities. Graduates with a bachelor's in mathematics often pursue a master's degree in more applied fields.

Contact Information:

Liberal Arts & Sciences, College of

School of Mathematical and Statistical Sciences

<http://math.asu.edu/>

PSA 211

math@asu.edu

480-965-7195

Microbiology, BS (LAMICBS)

Campus: TEMPE

Program Description:

In microbiology, students study the branch of biology involving the smallest of living things (bacteria, fungi, algae, protozoa and viruses) and immunology, the study of all aspects of the immune system. Despite their small size, microbes are fundamental to life on Earth and compose the majority of all life forms on Earth. In addition to their essential contributions to the natural world, microbes have been model experimental subjects due to their impact on human health and ease of manipulation in the laboratory. A significant portion of medical research employs microbiological and immunological methods in order to examine basic genetic and biological phenomena.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The microbiology degree program places emphasis on understanding microorganisms and their interrelationships with other organisms in nature and on the influence of microorganisms in biomedicine and biotechnology. Students in the microbiology degree program will study not only the background and current findings in the field of microbiology, but also acquire the critical thinking skills and the hands-on laboratory and field skills required to succeed in science. The major provides excellent training for premed, predental, prevet and prepharmacy students as well as advanced study in microbiology and immunology.

The discipline of microbiology is diverse and the job opportunities for microbiologists are enormous. Graduates with a degree in microbiology have opportunities for employment in:

- government
- hospitals
- industrial laboratories (food, dairy, chemical, pharmaceutical, environmental and biotechnology companies)
- public health laboratories
- research laboratories

Many students are also suitably prepared for admission into graduate school and these advanced studies:

- dental
- medical
- pharmacy
- veterinary

Contact Information:

Liberal Arts & Sciences, College of

School of Life Sciences

<https://sols.asu.edu/node/3135>

LSC 206

sols.advising@asu.edu

480-727-6277

Molecular Biosciences and Biotechnology, BS (LAMBBBS)

Campus: TEMPE

Program Description:

The molecular biosciences and biotechnology program encompasses many of the cutting-edge disciplines in life sciences research. Biotechnology is an exciting, rapidly growing field with major applications in agriculture ("green" biotechnology leading to improved crops or production of vaccines in plants), health care ("red" biotechnology leading to better therapeutics, diagnostics and personalized medicine) and industry ("white" biotechnology leading to sustainable production of energy, enzymes and chemicals).

Our molecular biosciences and biotechnology degree program is differentiated from the other life sciences majors by its focus on the interface between molecular biology and biotechnology. This interface drives many of our major advancements in knowledge and in applied research and development, like the development of next-generation biomedical products or biofuels. Other hallmarks of this program are the focus on hands-on research and the capstone course with both science and business or entrepreneurial components.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The molecular biosciences and biotechnology degree program provides excellent background and training for a growing number of careers that incorporate this innovative area of the molecular life sciences. Independent research and courses with classroom plus lab components result in a solid basis of knowledge and practical expertise in biotechnology and the molecular biosciences providing many options for further education or for entering the workforce. After graduation, many molecular biosciences and biotechnology students enter graduate programs in a molecular biosciences and biotechnology-related area. A number of students also enroll in medical school, other health-related professional programs or in other advanced programs. Students also have the knowledge and technical skills to enter the biotechnology workforce in an area matching their expertise and interest.

The molecular biosciences and biotechnology program has a faculty mentoring program, which provides students with the opportunity to speak with faculty regarding career choices, selection and timeline of major courses and of independent research projects, and much more.

Contact Information:

Liberal Arts & Sciences, College of

School of Life Sciences

<https://sols.asu.edu/>

LSE 218

sols@asu.edu

480-965-6899

Philosophy, BA (LAPHIBA)

Campus: ONLNE, TEMPE

Program Description:

The BA in philosophy teaches students how to think well, which in turn lays the foundation for personal and professional success. Philosophy alumni are well-prepared for leadership roles in whatever path they take, whether it be in business, law, politics, medicine or education. Philosophy students learn how to structure arguments, write precisely and clearly and communicate their ideas in an orderly, persuasive and unambiguous way. Many philosophical texts are complicated, and philosophy courses teach students how to read, comprehend and summarize conceptually difficult material. In short, studying philosophy trains one to be a better, clearer thinker. Course work includes the major subfields of philosophy such as metaphysics, epistemology and ethics as well as electives that connect philosophy to other areas of inquiry and that emphasize the social relevance of philosophy.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.
(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-philosophy>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)
Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

The analytical, rhetorical and writing skills developed through the study of philosophy provide ideal preparation for careers in a wide range of fields, including:

- business
- education
- journalism
- law
- medicine
- public service

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/undergrad/philosophy>
COOR 3305
SHPRSadvising@asu.edu
480-965-8364

Philosophy (Morality, Politics and Law), BA (LAPHIMPBA)

Campus: TEMPE

Program Description:

The philosophy concentration in morality, politics and law combines the basic analytical approaches of philosophy with an emphasis on the moral questions that arise in political theory and law. The foundations of our political and legal systems are moral values, such as individual liberty, equality and justice. These values are contested ones, open to different understandings of their nature and implications. This concentration will explore the nature of morality, political theory, legal theory and the interconnections between them. The program draws from disciplines related to philosophy to enrich and enliven students' understanding of the intersections of morality, politics and law. This degree should be of special interest to students planning to pursue postgraduate work in law, policy or politics.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

This program will provide graduates with career opportunities in law, policy-making and analysis, politics and intelligence work. For example, graduates may find employment with the State Department, the CIA or the Department of Justice.

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
<http://shprs.clas.asu.edu/undergrad/philosophy>

COOR 3310
SHPRSadvising@asu.edu
480-965-8634

Physics, BA (LAPHYBA)

Campus: TEMPE

Program Description:

Physics is concerned with the nature, structure and interactions of matter and radiation. The BA in physics provides a flexible and efficient option for students who are interested in a liberal arts degree with broad knowledge of physics. This degree program is ideal for students seeking to complete two degrees, with physics as the second degree. Students wishing to pursue a graduate degree in physics are advised to consider the BS in physics.

Additional Program Fee: Y

Second Language Requirement: Y

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Central Arizona College (<http://transfer.asu.edu/central-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Students graduating with a BA degree in physics may pursue such careers as:

- health physicist
- lawyer
- medical doctor (with additional premedical course work)
- patent attorney
- physical therapist
- radiation physicist
- research or lab assistant
- science policy analyst
- secondary science teacher
- technology support analyst

Contact Information:

Liberal Arts & Sciences, College of

Department of Physics

<https://physics.asu.edu>

PSF 470

physics.info@asu.edu

480-965-3561

Physics, BS (LAPHYBS)

Campus: TEMPE

Program Description:

Physics is concerned with the nature, structure and interactions of matter and radiation. The BS degree in physics provides students a thorough background in physics appropriate for further graduate study in physics, other sciences or engineering programs.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

Accelerated Degrees:

This degree is also offered as an accelerated degree with Nanoscience (PSM)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The broad range of applicability of the principles of physics gives the physicist great flexibility in a choice of career or further education. About half of the graduates with a bachelor's degree in physics go on to graduate school in:

- astronomy
- engineering
- medicine
- physics

The other half go directly into employment in areas such as:

- education and business
- engineering
- materials science

Contact Information:

Liberal Arts & Sciences, College of

Department of Physics

<https://physics.asu.edu>

PSF 470

physics.info@asu.edu

480-965-3561

Physics (Secondary Education), BS (LAPHYSEBS)

Campus: TEMPE

Program Description:

Physics is the cornerstone of STEM disciplines --- science, technology, engineering, and mathematics. At ASU and nationally, the production of new physics teachers is far below the need. The shortage of highly qualified physics teachers in every state is an ongoing problem. This degree concentration is designed to produce more and better qualified physics teachers.

The BS in physics with a concentration in secondary education provides rigorous training in physics and in education. Students who graduate from this program will be recommended by the Mary Lou Fulton Teachers College for certification by the State of Arizona.

Additional Program Fee: Y
Second Language Requirement: N
First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I
Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Students graduating with a bachelor's in physics with a concentration in secondary education will have tremendous opportunities for employment. With more than one million students in a state ranked seventh in the nation in population growth, the need for certified teachers in Arizona is self-evident. Physics is the core STEM (science, technology, engineering, and mathematics) subject, yet less than half of in-service physics teachers have degrees in physics. The need for qualified physics teachers is among the highest of all subject areas. During the last 15 years, ASU graduates have had their pick of teaching jobs around the valley and in the state. After student teaching in school districts in the greater Phoenix area or with one of the 22 Native American nations, students are often hired to teach in the same school where they completed their internship. As the predicted rate of population growth climbs and the number of teachers retiring increases, new teachers will continue to be in demand.

Contact Information:

Liberal Arts & Sciences, College of

Department of Physics

<https://physics.asu.edu>

PSF 470

physics.info@asu.edu

480-965-7195

Political Science, BA (LAPOSBA)

Campus: ONLNE, TEMPE

Program Description:

Political science is the study of how citizens interact with their governments and how governments at all levels formulate policies to serve their citizens. The major offers a variety of courses and opportunities to study politics and policies at the local, national and global levels. The major aims to provide students with the tools and skills necessary to link theory with real-world problems and issues.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with Political Science (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-bachelor-science-political-science>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Cochise College (<http://transfer.asu.edu/cochise>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)
Mohave Community College (<http://transfer.asu.edu/mohave>)
Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)
Pima Community College (<http://transfer.asu.edu/pima>)
Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Many of our graduates have found positions in:

- Arizona governor's office
- Federal Reserve
- foreign service
- judiciary branch of government
- local and national newspapers
- local, national and global nonprofit organizations
- local, state and national government
- multinational corporations

In addition, some of our graduates have gone on to the world's most prestigious graduate and professional schools. These students have found a range of employment opportunities in the fields of:

- communication
- education
- foreign service
- journalism
- law
- political science
- public service

Contact Information:

Liberal Arts & Sciences, College of
School of Politics and Global Studies
<https://pgs.clas.asu.edu/>
COOR 6797
spgs@asu.edu
480-965-8563

Political Science, BS (LAPOSBS)

Campus: ONLNE, TEMPE

Program Description:

Political science is the study of how citizens interact with their governments and how governments at all levels formulate policies to serve their citizens. The major offers a variety of courses and opportunities to study politics and policies at the local, national and global levels. The major aims to provide students with the tools and skills necessary to link theory with real-world problems and issues. Students also will gain experience with basic statistical analysis.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with Political Science (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-bachelor-science-political-science>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Many of our graduates have found positions in:

- Arizona governor's office
- Federal Reserve
- foreign service
- judiciary branch of government
- local and national newspapers
- local, national and global nonprofit organizations
- local, state and national government
- multinational corporations

In addition, some of our graduates have gone on to the world's most prestigious graduate and professional schools. These students have found a range of employment opportunities in the fields of:

- communication
- education
- foreign service
- journalism
- law
- political science
- public service

Contact Information:

Liberal Arts & Sciences, College of
School of Politics and Global Studies

<https://pgs.clas.asu.edu/>

COOR 6797

spgs@asu.edu

480-965-8563

Psychology, BA (LAPGSBA)

Campus: TEMPE

Program Description:

Psychology is the study of behavior, emotions and the mental processes of individuals and groups, approached through a scientific methodology.

The BA in psychology focuses on appreciating and understanding the human condition from a scientific, psychological point of view. All psychology majors learn about statistics and research methods and use psychology content courses to develop skill sets in diverse settings, including the department's child development facilities or internships.

Students in the bachelor's program are exposed to theories and research addressing such fascinating topics as:

- How can people use social influence to increase compliance?
- How do children develop?
- How do people remember information over long periods of time?
- How do the mind and body react to stress?
- Which types of treatments are most effective for individuals who are depressed?

Additional Program Fee: Y

Second Language Requirement: Y

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Transfer applicants must meet university transfer admission requirements and have successfully completed the following courses (or their equivalents) with a grade of "C" or better: PSY 101 Introduction to Psychology, ENG 101 First-Year Composition, MAT 170 Precalculus. Transfer students should select an additional major when applying for admission. Related disciplines include: anthropology, biology, sociology, and philosophy.

Readmission applicants must meet university readmission requirements, ASU cumulative GPA of 2.00 or better and have completed the following courses (or their equivalents) with a grade of "C" or better: PSY 101 Introduction to Psychology, ENG 101 First-Year Composition, MAT 170 Precalculus. Readmission students should select an additional major when applying for readmission. Related disciplines include: anthropology, biology, sociology, and philosophy (College of Liberal Arts and Sciences, Tempe campus), OR applied psychology (BS) - Polytechnic campus, psychology (BA/BS) - West campus.

Students with fewer than 45 hours who are not admissible to a Psychology Department psychology major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social/behavioral sciences program in the School of Letters and Sciences.

Students with more than 45 hours who are not admissible to a Psychology Department psychology major and who did not select a second major or are not admissible to their second major choice will be contacted to select an appropriate major. Related disciplines include: anthropology, biology, sociology, and philosophy, (College of Liberal Arts and Sciences, Tempe campus), OR applied psychology (BS) - Polytechnic campus, psychology (BA/BS) - West campus.

Current ASU students who wish to change their current major to a Psychology Department psychology major must have an ASU cumulative GPA of 2.00 or better and have completed the following courses (or their equivalents) with a grade of "C" or better: PSY 101 Introduction to Psychology, ENG 101 First-Year Composition, MAT 170 Precalculus.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Career Opportunities:

The bachelor's in psychology is designed to prepare students to work in a variety of settings that provide opportunities to apply concepts and principles of psychology. This degree provides students the opportunity to develop a broad range of highly marketable skills, including analytical skills, writing and public speaking skills, as well as teamwork and leadership skills. These skills lead to many career opportunities or graduate degrees in academic or clinical psychology, or such fields as counseling, social work, family therapy and law.

Contact Information:

Liberal Arts & Sciences, College of

Department of Psychology

<http://psychology.clas.asu.edu/advising/meet-with-an-advisor>

PSY 255

psych.advisor@asu.edu

480-965-7258

Psychology, BS (LAPGSBS)

Campus: TEMPE

Program Description:

Psychology is the study of behavior, emotions and the mental processes of individuals and groups, approached through a scientific methodology.

The BS in psychology focuses on appreciating and understanding the human condition from a scientific, psychological point of view emphasizing quantitative skills. All psychology majors learn about statistics and research methods and use psychology content courses to develop skill sets to understand behavior in diverse settings.

Students in the bachelor's program are exposed to theories and research addressing such fascinating topics as:

- How can people use social influence to increase compliance?
- How do children develop?
- How do people remember information over long periods of time?
- How do the mind and body react to stress?
- Which types of treatments are most effective for individuals who are depressed?

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences OR MAT 270: Calculus with Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

Freshman admission requirements for this program are the same as the university's freshman admission requirements.

Transfer applicants must meet university transfer admission requirements and have successfully completed the following courses (or their equivalents) with a grade of "C" or better: PSY 101 Introduction to Psychology, ENG 101 First-Year Composition, MAT 170 Precalculus. Transfer students should select an additional major when applying for admission. Related disciplines include: anthropology, biology, sociology, and philosophy.

Readmission applicants must meet university readmission requirements, ASU cumulative GPA of 2.00 or better and have completed the following courses (or their equivalents) with a grade of "C" or better: PSY 101 Introduction to Psychology, ENG 101 First-Year Composition, MAT 170 Precalculus. Readmission students should select an additional major when applying for readmission. Related disciplines include: anthropology, biology, sociology, and philosophy (College of Liberal Arts and Sciences, Tempe campus), OR applied psychology (BS) - Polytechnic campus, psychology (BA/BS) - West campus.

Students with fewer than 45 hours who are not admissible to a Psychology Department psychology major and who did not select a second major or are not admissible to their second major choice will be placed in the exploratory social/behavioral sciences program in the School of Letters and Sciences.

Students with more than 45 hours who are not admissible to a Psychology Department psychology major and who did not select a second major or are not admissible to their second major choice will be contacted to select an appropriate major. Related disciplines include: anthropology, biology, sociology, and philosophy, (College of Liberal Arts and Sciences, Tempe campus), OR applied psychology (BS) - Polytechnic campus, psychology (BA/BS) - West campus.

Current ASU students who wish to change their current major to a Psychology Department psychology major must have an ASU cumulative GPA of 2.00 or better and have completed the following courses (or their equivalents) with a grade of "C" or better: PSY 101 Introduction to Psychology, ENG 101 First-Year Composition, MAT 170 Precalculus.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Career Opportunities:

The bachelor's in psychology is designed to prepare students to work in a variety of settings that provide opportunities to apply concepts and principles of psychology. This degree provides students the opportunity to develop a broad range of highly marketable skills, including analytical skills, writing and public speaking skills, as well as teamwork and leadership skills. These skills lead to many career opportunities or graduate degrees in academic or clinical psychology, or such fields as counseling, social work and family therapy. The BS in psychology also leads to professional postgraduate programs in the fields of law and medicine.

Contact Information:

Liberal Arts & Sciences, College of
Department of Psychology
<http://psychology.clas.asu.edu/advising/meet-with-an-advisor>
PSY 255
psych.advisor@asu.edu
480-965-7258

Psychology (Psychological Science), BS (LAPGSPSBS)

Campus: TEMPE

Program Description:

The BS in psychology with a concentration in psychological science emphasizes critical thinking and analytic and quantitative skills involved in psychological research to prepare students for graduate study. Students take advanced course work in statistics and receive hands-on research experience by working with faculty members in the laboratory. Students are exposed to theories and research addressing such topics as:

- How can people use social influence to increase compliance?
- How do children develop?
- How do people remember information over long periods of time?
- How do the mind and body react to stress?
- Which types of treatments are most effective for individuals who are depressed?

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 251 - Calculus for Life Sciences Or MAT 270 Calculus with Analytical Geometry

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The BS in psychology with a concentration in psychological science is open to students who have:

- completed a BS in psychology critical courses (ENG 101, ENG 102, MAT 251 or MAT 270, PSY 101, PSY 230, PSY 290) with a "C" or better
- earned at least 45 credit hours
- earned at least an ASU 3.00 cumulative GPA

Students must maintain at least a 3.00 cumulative GPA from admittance through graduation.

Career Opportunities:

The bachelor's in psychology with a concentration in psychological science emphasizes critical thinking and analytic and quantitative skills involved in psychological research, to prepare students for graduate study in psychology to be researchers, teachers or clinicians. The bachelor's in psychology with a concentration in psychological science also leads to professional postgraduate programs in the fields of law and medicine.

Contact Information:

Liberal Arts & Sciences, College of
Department of Psychology
<http://psychology.clas.asu.edu/advising/meet-with-an-advisor>
PSY 255

psych.advisor@asu.edu
480-965-7258

Religious Studies, BA (LARELBA)

Campus: ONLNE, TEMPE

Program Description:

Students in the BA in religious studies program engage in the comparative, cross-cultural study of religions and cultures. Employing various disciplinary approaches, including the historical, sociological, anthropological and theological, the academic study of religion seeks to interpret, analyze and evaluate the nature and role of religion in the lives of individuals and societies.

The faculty of religious studies enjoy an excellent national reputation, and the degree is distinctive at ASU because the relatively small number of majors fosters undergraduate interaction with individual faculty.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-arts-religious-studies>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

A degree in religious studies provides a strong liberal arts background and excellent training in critical thinking and writing. Such a liberal education, which includes the development of basic intellectual skills, has become increasingly attractive to employers seeking to hire recent college graduates. Students with a degree in religious studies are also well positioned to pursue graduate studies and professional programs, including:

- business
- divinity
- foreign service
- journalism
- law
- nonprofit management
- social work

Contact Information:

Liberal Arts & Sciences, College of
Historical, Philosophical & Religious Studies, Sch
https://shprs.clas.asu.edu/religious_studies
COOR 3307
SHPRSadvising@asu.edu
480-965-8364

Russian, BA (LARUSBA)

Campus: TEMPE

Program Description:

Students in the BA in Russian program study the language, literature and culture of Russia. Russian is the fourth most spoken language in the

world, after Chinese, English, and Spanish, and is the lingua franca of the former Soviet empire, with more than 300 million speakers worldwide. Students gain intermediate to advanced reading, writing, oral and aural Russian language skills. The Russian program is working with the Language Partnership to facilitate the attainment of superior proficiency in Russian by students in any major.

The Russian language program cooperates with the Melikian Center for an interdisciplinary baccalaureate certificate in Russian, Eurasian, and East European Studies (REEES) for students in agribusiness, anthropology, architecture, economics, geography, history, political science, religious studies, Russian, sociology and women's studies.

Russian students are encouraged to study abroad for a semester or year in Moscow or St. Petersburg or in Kazan on the new ASU exchange program in Russian Language and Translation.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Since the fall of the Soviet Union in 1991, Russian remains a strategic, critical language, with government scholarships to study abroad, to do research and internships, and to find jobs in government agencies. Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Career fields and occupations using languages include:

- administration of nongovernmental organizations
- advertising or marketing
- airlines
- cultural advisor
- diplomatic and foreign service agent
- domestic or international business
- film, television or multimedia
- foreign correspondent or journalist
- government intelligence
- hotel and resort management
- international banking
- international education and study abroad
- international law
- interpreting and translation
- medicine
- military
- ministry
- social work
- teaching and research

Additional education and certification may be required for some career paths.

Contact Information:

Liberal Arts & Sciences, College of

School of International Letters and Cultures

<https://international.clas.asu.edu/undergrad/majors>

LL 440

silcadvising@asu.edu

480-965-6281

Sociology, BS (LASOCBS)

Campus: ONLINE, TEMPE

Program Description:

Sociology is the study of social life, social change and the social causes and consequences of human behavior. The BS in sociology trains students in written communication, computer skills, statistics and research methods. It offers a wide variety of substantive courses on contemporary social issues, ranging from crime to population trends, and courses on social institutions such as the family, education and religion.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with Sociology (MA)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here.

(<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-sociology>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Cochise College (<http://transfer.asu.edu/cochise>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

An undergraduate degree in sociology provides excellent preparation for future graduate work in:

- law
- medicine and counseling
- social work
- sociological research

The degree also prepares undergraduates for direct entry into positions in:

- business
- government
- social service

Contact Information:

Liberal Arts & Sciences, College of

Sanford School of Social and Family Dynamics

<https://thesanfordschool.asu.edu/>

SS 144

Spanish, BA (LASPABA)

Campus: ONLINE, TEMPE

Program Description:

Students in the BA in Spanish program have the opportunity to gain oral, reading, speaking and written proficiency in the language. The program offers three study options: the Spanish linguistics track, or the Spanish literature and culture track (for on-campus students only), and the Spanish BA Online (for ASU Online students only).

- The linguistics track provides an in-depth understanding of the Spanish language (syntax, morphology) and may include courses in translation (English to Spanish).
- The literature and culture track provides an in-depth understanding of the themes of Spanish, Latin American and Mexican American culture and literature and the contemporary issues throughout the Spanish-speaking world.
- The Spanish BA Online combines courses from both the linguistics track and the literature and culture track requirements.

Students are encouraged to contact a school advisor to discuss which option is best for them. ASU offers opportunities throughout the year to study in Spain, Mexico and other Spanish-speaking countries through study abroad and exchange programs. For more information go to <https://international.clas.asu.edu/studyabroad> (<https://international.clas.asu.edu/studyabroad>). Students majoring in Spanish may also work toward a professional certificate in Spanish-to-English translation.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Knowledge of multiple languages and intercultural competencies enhance any occupation and offer graduates many career opportunities.

Language-intensive careers include:

- foreign correspondent or media professional
- foreign service officer
- health professional
- law and immigration professional
- intelligence officer
- international banking and finance professional
- international businessperson
- language teacher
- multilingual administrative professional
- NGO professional
- professor of language, literature and culture
- social services professional
- translator or interpreter
- travel professional

Career fields using languages include:

- advertising, marketing, or communications professional
- airline employee
- hospitality industry professional
- hotel and resort management
- film, television or multimedia
- foreign correspondence or journalist
- intelligence officer
- international law
- international education and study abroad administrator
- member of the military
- ministry

Additional education or certification may be required for some career paths.

Contact Information:

Liberal Arts & Sciences, College of
 School of International Letters and Cultures
<https://international.clas.asu.edu/undergrad/majors>
 LL 440
silcadvising@asu.edu
 480-965-6281

Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA (LATCLMBA)

Campus: TEMPE

Program Description:

The BA in transborder Chicana/o and Latina/o studies is an interdisciplinary degree program that provides students with an understanding of how Mexican-origin, Chicana/o and Latina/o populations in the United States are influenced by, and also negotiate, political, social, cultural, institutional and linguistic borders.

Students in the media and expressive culture concentration engage in critical and creative discussion about the ideas, issues and forms represented in expressive cultures of Chicano, Mexican, Puerto Rican, Cuban, Dominican, Central American and Latina/o populations in the United States. Students will analyze the cultural contributions of these populations in:

- film
- history
- literature (novels, short stories, poetry)
- performance
- visual art (painting, photography)

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The media and expressive culture concentration equips students with analytical and communication skills vital to the pursuit of graduate work and

various career paths including:

- business
- education (administration and teaching)
- film and media
- government
- international policy and law
- social work and nonprofit
- the arts

Contact Information:

Liberal Arts & Sciences, College of
School of Transborder Studies

<http://sts.asu.edu/>

INTDSB 165

sts.info@asu.edu

480-965-5091

Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA (LATCLTBA)

Campus: TEMPE

Program Description:

The BA in transborder Chicana/o and Latina/o studies is an interdisciplinary degree program that provides students with an understanding of how Mexican-origin, Chicana/o and Latina/o populations in the United States are influenced by, and also negotiate, political, social, cultural, institutional and linguistic borders.

Students in the transborder community development and health concentration will develop an understanding of health disparities and the broader purpose of community development and healthy communities with an emphasis on the underserved Mexican-origin, Chicana/o and Latina/o communities in the United States and the U.S.-Mexico transborder region. Students will acquire skills and knowledge necessary for the design, implementation and evaluation of community development and health programs. Students will also develop capabilities for community development and health practice and research in the following areas:

- community engagement
- cultural awareness
- social determinants of health and well-being

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The transborder community development and health concentration equips students with theoretical and practical knowledge necessary for graduate work as well as entry-level positions in:

- local, state, national and private health services
- medicine
- public affairs

- public health
- public policy and administration
- social work and nonprofit organizations

Contact Information:

Liberal Arts & Sciences, College of
 School of Transborder Studies
<http://sts.asu.edu/>
 INTDSB 165
sts.info@asu.edu
 480-965-5091

Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA (LATCLUBA)

Campus: TEMPE

Program Description:

The BA in transborder Chicana/o and Latina/o studies is an interdisciplinary degree program that provides students with an understanding of how Mexican-origin, Chicana/o and Latina/o populations in the United States are influenced by, and also negotiate, political, social, cultural, institutional and linguistic borders.

Students in the U.S. and Mexican regional immigration policy and economy concentration focus on the study of policies and social practices contributing to Latinos' growing political and economic influence in the U.S. and the U.S.-Mexico region. Students develop an understanding of the role of immigration policy, border enforcement, globalization, regional development, demographic change and economic integration.

Students will develop expertise in historical and contemporary issues surrounding:

- international migration
- social change, policy and development of the U.S.-Mexico border region
- Latinos in local and global context

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The U.S. and Mexican regional immigration policy and economy concentration equips students with skills and knowledge necessary for graduate work as well as career opportunities in:

- business
- international and public policy
- law
- local, state and national government agencies
- public policy and administration
- social work and nonprofit organizations

Contact Information:

Liberal Arts & Sciences, College of
School of Transborder Studies
<http://sts.asu.edu/>
INTDSB 165
sts.info@asu.edu
480-965-5091

Urban Planning, BSP (ARPUPBSP)

Campus: TEMPE

Program Description:

Urban planners guide communities in making wise decisions about their use of land and resources. The BSP in the urban planning program offers students expertise in both the analysis and the synthesis of the physical, social, political and economic issues that shape urban and regional development. Students take courses that include:

- comprehensive planning, socioeconomic and environmental analysis
- computer and analytical methods
- planning law
- public-policy formulation and administration
- site planning
- urban design

Planning includes:

- computer and research methods
- environmental impact assessment
- geographic information systems
- housing
- landscape architecture and urban design
- planning and zoning law
- public policy formulation and administration
- transportation
- urban and development economics
- utilities

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with Urban and Environmental Planning (MUEP)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Graduates in planning pursue career opportunities with private planning firms and governmental planning agencies. Some planners elect to pursue graduate degrees to develop specialty skills and to enhance their opportunities for career advancement.

Contact Information:

Liberal Arts & Sciences, College of
School of Geographical Sciences and Urban Planning
<http://geoplan.asu.edu/>
COOR 5671
geoplan@asu.edu
480-965-7533

Women and Gender Studies, BA (LAWSTBA)

Campus: TEMPE

Program Description:

The BA in women and gender studies offers a comprehensive program of study that empowers students to make a difference in the world. Students learn to challenge conventional wisdom about gender and learn new ways of viewing the world through the study of:

- culture
- economics
- film
- history
- literature
- politics
- science

Internship and leadership opportunities allow students to pursue career goals in:

- business
- government
- nonprofit organizations

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with Science and Technology Policy (MSTP)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The interdisciplinary women and gender studies program prepares students for many different career opportunities upon graduation; our graduates are also well prepared for graduate and law school and have been admitted to prestigious programs. Graduates have:

- become consultants and counselors
- become lawyers
- become teachers
- created businesses
- secured careers in public relations
- worked in nonprofit organizations and agencies serving women and girls
- worked in policy and government

Contact Information:

Liberal Arts & Sciences, College of
School of Social Transformation
<http://sst.clas.asu.edu/women-and-gender-studies>
WILSN 125
SST@asu.edu
480-965-7682

Nursing & Health Innovation, College of

Nursing, BSN (NUNURDBSN)

Campus: DTPHX, EAC, ONLNE

Program Description:

Through a curriculum centered upon evidence-based practice, clinical reasoning, innovation, interprofessional communication and information technology, the BSN program prepares students to provide high quality professional nursing care.

The BSN may be earned through four different pathways.

In the traditional prelicensure clinical nursing program, students take prerequisite course work and then advance to the upper-division clinical nursing program. The clinical program may be completed in a 16-month year-round schedule or a 24-month academic year schedule.

Students admitted directly into the program must meet continuing eligibility criteria to advance to the clinical program. Prenursing students apply for advancement to the clinical program, competing for any remaining spaces.

The postbaccalaureate BSN is a pathway for students who have earned a bachelor's degree. After completing prerequisites, students apply for advancement to the 12-month clinical nursing program. Students are admitted to the postbaccalaureate annually in the spring semester.

The online RN to BSN program is available to students who have earned an associate degree in nursing or a nursing diploma. This online program has five enrollment sessions per year and may be completed in as few as 18 to 24 months. Courses are 7.5 weeks. Assignments may include readings, papers, presentations, and practice experiences (clinical activities). The pathway program for students from Arizona community colleges provides additional benefits. All course work except the clinical practice activities are completed online. Students complete clinical practice activities in their geographic area.

The ASU-Maricopa Concurrent Enrollment Program (CEP) pathway is available to select MaricopaNursing students. These students will be enrolled in the MaricopaNursing and ASU BSN programs concurrently. This pathway may be completed in five to six terms, including summer sessions.

The ASU and Eastern Arizona College partnership is a pathway that allows students to complete an associate degree in nursing at Eastern Arizona College, then pursue the ASU BSN on the EAC Thatcher campus. Visit <https://transfer.asu.edu/eac> (<https://transfer.asu.edu/eac>) for more information about ASU degrees offered at EAC Thatcher campus.

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Traditional Prelicensure Clinical Nursing Program Concentration

This program is only offered at the Downtown Phoenix campus.

Applicants who do not have an associate degree in nursing or a nursing diploma and do not have their RN license will apply to the traditional prelicensure clinical nursing program and will be reviewed by the Nursing Admissions Committee on an individual basis. Students must meet the following minimum criteria to be considered by the committee:

Freshman resident: 3.00 ABOR GPA or 500 GED or in the top 25 percent of high school graduating class and either a 1040 SAT or 22 ACT score.

Freshmen nonresident: 3.00 ABOR GPA or 500 GED or in the top 25 percent of high school graduating class and either an 1110 SAT or 24 ACT score.

Transfer resident and nonresident: cumulative transfer GPA of 3.50.

Admission is competitive so early application is recommended.

RN to BSN Concentration

This program is only offered as an online option.

Applicants must meet university minimum admission requirements.

Students who have not signed an Arizona community college pathway agreement need 1) a 2.50 GPA, and 2) ENG 101, ENG 102, and a statistic course. For additional requirements, please contact the college.

Students who have signed the community college pathway agreement need 1) a 2.50 GPA in the following courses: BIO 201, BIO 202, CHM 101, ENG 101, ENG 102, MIC 205, PGS 101 or CDE 232, and 2) a statistic course. For additional requirements, please see contact the college.

Additional information available at <http://asuonline.asu.edu/nursingonline> (<http://asuonline.asu.edu/nursingonline>).

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here. (<http://asuonline.asu.edu/degree-programs/undergraduate/bachelor-science-nursing-rn-bsn>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Cochise College (<http://transfer.asu.edu/cochise>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

Graduates deliver nursing care to individuals, families and communities. Completion of this degree program also prepares individuals for entrance into graduate study in nursing at the master's or doctoral levels, which is essential for teaching, administration, clinical specialization and research.

Contact Information:

Nursing & Health Innovation, College of

College of Nursing & Health Innovation

<http://nursingandhealth.asu.edu/>

MERCC 250

nursing@asu.edu

602-496-0888

Pre-Nursing, (NUNURPRE)

Campus: DTPHX

Program Description:

The prenursing program is available to students interested in a degree in nursing but who are not eligible to gain direct admission status to the nursing degree program. Students in prenursing are eligible to compete for admission into the BSN program after completion of terms one through four. The prenursing program does not lead to a degree.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics
Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

This program does not lead to a degree. Students may take the nursing prerequisite courses but then must either be advanced to the upper-division nursing program or choose another major.

Contact Information:

Nursing & Health Innovation, College of

College of Nursing & Health Innovation

<https://nursingandhealth.asu.edu/programs/nursing/undergraduate/index.htm>

MERCC 250

<https://nursingandhealth.asu.edu/contact/rfi-bachelors>

602-496-0888

Public Programs, College of

Applied Science (Emergency Management), BAS (PPEMGBAS)

Campus: DTPHX

Program Description:

The BAS program is a flexible, 60-credit-hour degree designed specifically for students who have earned an AAS from a regionally accredited institution. The required capstone class provides experience to students through coordinated internships.

Students applying to this program must have completed an AAS from a regionally accredited institution. This program is not available to freshmen.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students applying to this program must have completed an Associate of Applied Science degree from a regionally accredited institution. This program is not available for freshmen.

Career Opportunities:

The concentration in emergency management opens the door to a challenging career as a professional emergency manager. The advancement of technology has created the potential for more devastating disasters than ever before. As a result, there is an increasing demand for emergency managers who have a solid foundation in scientific and technical disciplines, as well as management skills.

Contact Information:

Public Programs, College of
School of Public Affairs
<https://spa.asu.edu/programs/undergraduate/degrees>
UCENT 400
spa@asu.edu
602-496-0450

Community Sports Management, BS (PPCSMBS)

Campus: DTPHX

Program Description:

The community sports management degree focuses on the many roles recreational and amateur sports play within a community as a mechanism to contribute to quality of life, domestically and abroad. Emphasis will be on the role of sports in youth development; the role of sports organizations and programs in community development; the impact of sports tourism and multisport events on community development; and the role of sports in delivery of nonprofit agency services. Both a program and a managerial emphasis will be targeted, with an emphasis on delivery of services across the lifespan. Some specific areas of opportunity include work with youth sports, adaptive sports, sports events, sports tourism and sports clubs.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Numerous opportunities are available in community sports. Community sports programs are part of many nonprofit organizations such as the Boys and Girls Clubs of America and the YMCA or YWCA. City parks and recreation programs include youth and adult sports, and clubs and organizations focused on youth sports are prevalent. Sports tourism organizations are part of many communities and sports events such as Special Olympics and youth sports tournaments, including international and multisport events, and offer opportunities for employment. Many cities and nonprofit organizations offer adaptive or therapeutic sports programs such as Wounded Warriors and River Rampage. Though the focus of this program is not on professional sports management, there are opportunities with these organizations, such as event management and facility management.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-0550

Criminal Justice and Criminology, BS (PPCRIMJBS)

Campus: DTPHX, CALHC, ONLNE

Program Description:

The criminology and criminal justice program, located in downtown Phoenix, is for students who want to understand the causes of crime, the role of criminal justice agencies in the control of crime, and the consequences of crime. They will learn sociological, psychological, biological and economic explanations for individual crime, as well as differences in crime across neighborhoods, states, countries and over time. They will learn about the

history, legal issues and current practices of crime control via police agencies, the court system, prisons, probation and parole.

These topics are delivered by top-ranking research faculty who offer students hands-on research opportunities and by experienced criminal justice professionals with intimate knowledge of the daily realities of crime and criminals. Students are encouraged to take advantage of internship opportunities in more than 200 agencies, study abroad programs and flexible course scheduling offered in-person, online and across multiple campuses.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Criminal Justice (MA)

Criminology and Criminal Justice (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes. View the program description and request more information here. (<http://ccj.asu.edu/>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Cochise College (<http://transfer.asu.edu/cochise>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)

Pima Community College (<http://transfer.asu.edu/pima>)

Career Opportunities:

Graduates of the criminology and criminal justice program find a strong job market in the public and private sectors. Employment opportunities exist in:

- bank fraud
- corrections
- courts
- domestic terrorism
- federal agencies
- homeland security
- law enforcement
- legal offices
- parole offices
- private security
- probation offices
- victim advocate agencies

Graduates may also pursue advanced degrees in law, criminology and criminal justice and other social science disciplines.

Contact Information:

Public Programs, College of
School of Criminology and Criminal Justice
<http://ccj.asu.edu/>
UCENT 600
sccj@asu.edu
602-496-2356

Nonprofit Leadership and Management, BS (PPNLMBS)

Campus: DTPHX

Program Description:

Through the BS in nonprofit leadership and management program, students are empowered to become successful professionals who work to advance the quality of life in communities. The nonprofit sector in the United States is unique in form and function. This sector includes institutions and individuals situated between government, public, business and commerce sectors. It is this sector, with more than 1.6 million organizations in the U.S., that employs more people than the finance industry, including insurance and real estate, combined.

Philanthropy (voluntary action for the public good) is a hallmark of the nonprofit sector as individuals give their time, money and know-how to causes about which they care. Students in the nonprofit leadership and management program learn about the nonprofit sector through curriculum instruction and field experience. The required internship component of the program leads students to professional opportunities within the nonprofit sector. Within the undergraduate degree requirements, students may also choose to pursue the National Certified Nonprofit Professional credential through ASU's affiliation with the Nonprofit Leadership Alliance (formerly American Humanics, Inc.). For more information, access the school's website.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Career Opportunities:

Depending on their interests, graduates seek work in various areas of the nonprofit sector. They find employment in diverse settings that include a wide range of missions, including arts and culture, environmental, health, youth development, etc. Some graduates work for local, grassroots, direct service nonprofits, for grantmaking foundations, and many work in affiliates of well-known national organizations such as:

- American Red Cross
- America's Second Harvest
- Humane Society of the United States
- March of Dimes
- National Urban League
- United Way
- youth-serving entities such as Big Brothers Big Sisters, Boys and Girls Clubs, Boy Scouts of America, Girl Scouts of the USA, Camp Fire USA and the YMCA of the USA

Increasing opportunities in the nonprofit sector include careers across the spectrum of community issues such as the arts, environment, health care and others. Typical positions include roles as:

- field executives
- fund development directors
- program directors
- program officers for grantmaking organizations
- volunteer program managers

Contact Information:

Public Programs, College of
 School of Community Resources and Development
<http://scrd.asu.edu>
 UCENT 550
scrd@asu.edu
 602-496-0550

Parks and Recreation Management, BS (PPPRMBS)

Campus: DTPHX

Program Description:

The BS in parks and recreation management provides an interdisciplinary education in the management of parks, protected areas, community-based recreation services and special-event management. The parks and recreation field emerged from the youth development, recreation and park movements of the late 19th century. Students learn to integrate the managerial, natural and social sciences, to make informed decisions for recreation service delivery.

The curriculum of classroom instruction and field experiences covers:

- communication
- history
- inclusive services
- management
- parks and recreation policy
- planning
- programming

The required internship component of the program allows students to gain practical experience in the parks and recreation professions. The bachelor's in parks and recreation management prepares students for professional positions in a variety of public, private and nonprofit organizations. The National Recreation and Park Association accredits this degree program. There are three areas of emphasis:

- community recreation services management
- natural resource recreation management
- special event management

Students interested in the BS in parks and recreation management may also be interested in the school's therapeutic recreation program. See the school website for details.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with Community Resources and Development (MS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

This degree program prepares students for professional positions in a variety of public, private and nonprofit organizations. Graduates are employed in a variety of settings in Arizona, nationally and abroad. Graduates find employment in such diverse settings as:

- armed forces recreation
- city park and recreation departments
- county and state park agencies
- federal natural resource agencies
- hospitals and care facilities
- nonprofit recreation programs
- private and commercial recreation facilities
- special event management
- sport venues
- youth agencies

In such settings, graduates design, develop and manage services that address the recreational needs of a particular clientele.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-0550

Parks and Recreation Management (Therapeutic Recreation), BS (PPPRMTRBS)

Campus: DTPHX

Program Description:

The BS in parks and recreation management with a concentration in therapeutic recreation is the only program in Arizona that prepares students for national professional certification in therapeutic recreation. The program is designed for students who have an interest in providing therapeutic interventions and adaptive recreation services for individuals with social problems, illnesses and disabling conditions. The required internship component of the program allows students to gain practical experiences in the therapeutic recreation field. Students who choose this concentration are truly committed to improving people's lives and contributing to their communities.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

There are a range of job opportunities for therapeutic recreation professionals ranging from clinical settings, such as hospitals and nursing homes, adventure programming for youth-at-risk and people with disabilities, and community programs offered through parks and recreation departments.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-0550

Public Service and Public Policy, BS (PPPAFBS)

Campus: DTPHX

Program Description:

The BS in public service and public policy prepares students for work in government at all levels and nonprofit organizations, through comprehensive coverage of topics in public policy, public leadership and management, and urban studies.

Students discover the challenges of management and learn how to lead a public organization and understand the process of policy development. This program examines the public sector and addresses, in a practical way, the challenges facing the public. The program is unique because it enables students to study public service, policy and administration with a professional focus.

Students select one of the following concentration areas to supplement their core courses:

- American Indian studies
- business
- criminology
- emergency management
- health policy
- law and policy
- nonprofit leadership and management
- parks and recreation management
- public leadership and management
- public policy
- science and technology
- social services delivery
- sustainability
- urban studies

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with Public Administration (MPA) - Downtown Phoenix

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

This degree provides students with the knowledge and skills to transform government and policy at all levels. The public service sector offers sustainable, exciting and fulfilling career options. Upon graduation, students will be empowered to use knowledge of the public sector as a catalyst to change the world. By understanding the challenges facing government and being well-versed in the development of multiple, useful and realistic solutions, students will contribute to the development of local, national and global communities.

A bachelor's in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

Contact Information:

Public Programs, College of

School of Public Affairs

https://spa.asu.edu/programs/undergraduate/degrees/copy_of_pspp

UCENT 400

spa@asu.edu

602-496-0450

Public Service and Public Policy (American Indian Studies), BS (PPPAFAISBS)

Campus: DTPHX

Program Description:

The School of Public Affairs offers a concentration in American Indian studies as part of their BS in public service and public policy. This concentration emphasizes tribal sovereignty, cultural integrity and identity of the American Indian nations and peoples, creating a learning environment conducive to critical and creative thought.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however, the primary focus is on public organizations. A bachelor's in public service and public policy prepares students for entry and mid-level supervisory and managerial positions in city, county, state, and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The American Indian studies concentration provides students with more specialized knowledge about the policy implication of American Indian-related decisions and actions.

Contact Information:

Public Programs, College of
School of Public Affairs
https://spa.asu.edu/programs/undergraduate/degrees/copy_of_pspp
UCENT 400
spa@asu.edu
602-496-0450

Public Service and Public Policy (Business), BS (PPPAFBUBS)

Campus: DTPHX

Program Description:

The School of Public Affairs offers a concentration in business as part of their BS in public service and public policy. This concentration establishes a core business curriculum while allowing students the flexibility to pursue their passion, from entrepreneurial opportunities to working for a Fortune 500 company. Course work will teach lasting business concepts.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The program is primarily focused on individuals working in or interested in working in the public sector. The skills and knowledge the students will acquire in the program will allow them to successfully function in many other types of organizations, as well; however, the primary focus is on public organizations. A bachelor's in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state, and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The business concentration provides students who have an interest in policy to focus on business issues and their policy implications.

Contact Information:

Public Programs, College of
School of Public Affairs
https://spa.asu.edu/programs/undergraduate/degrees/copy_of_pspp
UCENT 400
spa@asu.edu
602-496-0450

Public Service and Public Policy (Criminology), BS (PPPAFCBS)

Campus: DTPHX

Program Description:

The School of Public Affairs offers a concentration in criminology as part of their BS in public service and public policy. Criminology continues to be a highly sought after area and it presents broad policy implications. The concentration introduces students to the fundamental foundations in criminal justice and criminology by preparing them to think critically, contribute to society and enhance public safety.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however, the primary focus is on public organizations. A bachelor's in public service and public policy prepares students for entry and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The criminology concentration provides students with more specialized knowledge about the policy implication of criminology-related decisions and action.

Contact Information:

Public Programs, College of

School of Public Affairs

https://spa.asu.edu/programs/undergraduate/degrees/copy_of_pspp

UCENT 400

spa@asu.edu

602-496-0450

Public Service and Public Policy (Emergency Management and Homeland Security), BS (PPPAFEHBS)

Campus: DTPHX

Program Description:

The School of Public Affairs offers a concentration in emergency management and homeland security as part of their BS in public service and public policy. This concentration provides students with skills and knowledge to manage and assume positions of leadership within the field of emergency management and homeland security. Concepts of public policy and management are blended together with emergency management principles to enhance and foster critical thinking within the general field of study. More specifically, the program's focus provides the student with a comprehensive perspective which is critically important for today's and tomorrow's disaster managers.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

The program is primarily focused on individuals working, or who are interested in working in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however, the primary focus is on public organizations. A bachelor's in public service and public policy prepares students for entry and midlevel supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion. In addition, the program prepares students for future graduate study in law, public policy and public administration. Increasing demand for public services and retiring baby boomers has created an increase in job opportunities for graduates in the public sector. The federal government is the nation's largest employer with nearly 2 million people employed by the federal government across the country, and 84.6 percent of those jobs exist outside the Washington, D.C. area. The Partnership for Public Service estimates that the federal government alone will hire tens of thousands of new employees for mission-critical positions in the next few years. Students with a preparation in academic areas related to public service will have an advantage in that market.

Contact Information:

Public Programs, College of

School of Public Affairs

<http://spa.asu.edu/programs/undergraduate/pspp>

UCENT 400

spa@asu.edu

602-496-0450

Public Service and Public Policy (Health Policy), BS (PPPAFHPBS)

Campus: DTPHX

Program Description:

The School of Public Affairs offers a concentration in health policy as part of the BS in public service and public policy. This allows students to build a course of study that emphasizes their own areas of interest. The health care industry is continuing to be a major part of the U.S. and world economy. The concentration in health policy will provide students who have an interest in policy to focus on health-related issues and their policy implications. The courses in the concentration are offered by the School of Nutrition and Health Promotion and the School of Human Evolution and Social Change. All the courses are part of the College's regular degree offerings. Thus students emerge from the program prepared to address policy issues in this substantive area with an understanding of the range of public service careers (including government, nonprofit and for-profit options), the economics of public affairs, the challenge of leadership in the public context, and the dynamics of administering public programs.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

The program is primarily focused on individuals interested in or already working in the public sector. The skills and knowledge that students will acquire in the program will allow them to successfully function in many other types of organizations; however, the primary focus is on public organizations. A bachelor's in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The health policy concentration provides students with more specialized knowledge about the policy implication of health-related decisions and actions.

Contact Information:

Public Programs, College of
School of Public Affairs

https://spa.asu.edu/programs/undergraduate/degrees/copy_of_pspp

UCENT 400

spa@asu.edu

602-496-0450

Public Service and Public Policy (Law and Policy), BS (PPPAFLPBS)

Campus: DTPHX

Program Description:

The School of Public Affairs offers a concentration in law and policy as part of their BS in public service and public policy. Through this concentration, students who have an interest in public policy focus on legal issues and their policy implications and broaden their educational experience while concentrating in an area that is in high demand.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however the primary focus is on public organizations. A bachelor's in public service and public policy prepares students for entry and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion. In addition, the program prepares students for future graduate study in law, public and public administration.

Contact Information:

Public Programs, College of
School of Public Affairs

<http://spa.asu.edu/programs/undergraduate/pspp>

UCENT 400
spa@asu.edu
602-496-0450

Public Service and Public Policy (Nonprofit Leadership and Management), BS (PPPANLMBS)

Campus: DTPHX

Program Description:

The School of Public Affairs offers a BS in public service and public policy with a concentration in nonprofit leadership and management. The role of nonprofit organizations continues to grow and present broad policy implications. This concentration empowers students to understand the unique aspect of the social, political, economic and philanthropic factors related to the nonprofit sector.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however, the primary focus is on public organizations. A bachelor's in public service and public policy prepares students for entry and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The nonprofit leadership and management concentration provides students with more specialized knowledge about the policy implication of the nonprofit sector.

Contact Information:

Public Programs, College of

School of Public Affairs

https://spa.asu.edu/programs/undergraduate/degrees/copy_of_pspp

UCENT 400

spa@asu.edu

602-496-0450

Public Service and Public Policy (Parks and Recreation Management), BS (PPPAPRMBS)

Campus: DTPHX

Program Description:

The School of Public Affairs offers a BS in public service and public policy with a concentration in parks and recreation management. Leisure and quality of life are an essential part of our society. This concentration provides students an interdisciplinary education in the management of parks, protected areas and community based recreation services.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however, the primary focus is on public organizations. A bachelor's in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The parks and recreation management concentration provides students with more specialized knowledge about the policy implication of the development and management of leisure in modern life.

Contact Information:

Public Programs, College of

School of Public Affairs

https://spa.asu.edu/programs/undergraduate/degrees/copy_of_pspp

UCENT 400

spa@asu.edu

602-496-0450

Public Service and Public Policy (Science and Technology Policy), BS (PPPAFSTBS)

Campus: DTPHX

Program Description:

The School of Public Affairs offers a concentration in science and technology policy as part of their BS in public service and public policy. The science and technology policy concentration prepares students to tackle today's most important challenges: climate change, energy, information privacy, public health and global development.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)
Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students will acquire will allow them to successfully function in many other types of organizations; however, the primary focus is on public organizations. A bachelor's in public service and public policy prepares students for entry- and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The science and technology policy concentration provides students with more specialized knowledge about the policy implication of science and technology-related decisions and actions.

Contact Information:

Public Programs, College of
School of Public Affairs
https://spa.asu.edu/programs/undergraduate/degrees/copy_of_pspp
UCENT 400
spa@asu.edu
602-496-0450

Public Service and Public Policy (Social Services Delivery), BS (PPPAFSSBS)

Campus: DTPHX

Program Description:

The School of Public Affairs offers a concentration in social services delivery as part of their BS in public service and public policy. Through this concentration, students who have an interest in public policy explore the policy implications of social problems and social welfare programs and broaden their educational experience while concentrating in an area that is in high demand.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:
All students are required to meet general university admission requirements.
Freshman (<https://students.asu.edu/freshman/requirements>)
Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)
International (<https://students.asu.edu/international/future>)
Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

The program is primarily focused on individuals working or interested in working in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations; however the primary focus is on public organizations. A bachelor's in public service and public policy prepares students for entry and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion. In addition, the program prepares students for future graduate study in law, public policy and public administration. Increasing demand for public services and retiring baby boomers has created an increase in job opportunities for graduates in the public sector. The federal government is the nation's largest employer with nearly 2 million people employed by the federal government across the country, and 84.6% of those jobs exist outside the Washington, D.C. area. The Partnership for Public Service estimates that the federal government alone will hire tens of thousands of new employees for mission-critical positions in the next few years. Students with a preparation in academic areas related to public service will have an advantage in that market.

Contact Information:

Public Programs, College of
School of Public Affairs
<http://spa.asu.edu/programs/undergraduate/pspp>
UCENT 400
spa@asu.edu
602-496-0450

Public Service and Public Policy (Sustainability), BS (PPPAFSBS)

Campus: DTPHX

Program Description:

The BS in public service and public policy prepares students for work in government at all levels and nonprofit organizations through comprehensive coverage of topics in public policy, public leadership and management, and urban studies.

Sustainability continues to be a highly sought after area and it presents broad policy implications. Through this concentration, students explore the challenges of sustainability and how it may be used to develop solutions to pressing issues at local and global levels.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The program is primarily focused on individuals working or seeking work in the public sector. The skills and knowledge students acquire allow them to successfully function in many other types of organizations, though the primary focus is on public organizations. A bachelor's in public service and public policy prepares students for entry and mid-level supervisory and managerial positions in city, county, state and federal agencies. For those who already have work experience, the degree provides further opportunity for promotion.

The sustainability concentration provides students with more specialized knowledge about the policy implication of sustainability-related decisions and action.

Contact Information:

Public Programs, College of
School of Public Affairs
https://spa.asu.edu/programs/undergraduate/degrees/copy_of_pspp
UCENT 400
spa@asu.edu
602-496-0450

Social Work, BSW (PPSWUSWU)

Campus: DTPHX

Program Description:

Social work practitioners are committed to the enhancement of individual, family and group problem-solving capacities and the creation of a more nurturing, just and humane social environment. The undergraduate curriculum leads to a BSW. Juniors and seniors majoring in social work focus on social work courses in social policy and services, human behavior in the social environment, social work practice, research, and field instruction in community agencies. In addition, majors take elective courses in related areas.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: Y

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Career Opportunities:

The bachelor's in social work practitioner is a generalist focusing on roles such as advocacy, referral, case management and problem-solving functions with individuals, groups, families, organizations and the community.

Employment in social work is expected to increase commensurately with the needs of a growing and diverse population.

Social workers are employed in public and private agencies dealing with a wide variety of social issues, including:

- adoptions
- aging
- AIDS
- child abuse
- corrections
- delinquency
- disability
- discrimination
- domestic violence
- family dysfunction
- foster care
- health
- homelessness
- mental health
- poverty
- school-related problems
- substance abuse
- teen pregnancy

Social work skills such as problem-solving, resource utilization, counseling, group work and community organization are also useful for positions with industry in employee relations and mediation.

Contact Information:

Public Programs, College of

School of Social Work
<http://ssw.asu.edu>
UCENT 800
social.work@asu.edu
602-496-0800

Tourism Development and Management, BS (PPTDMBS)

Campus: DTPHX

Program Description:

Through the BS in tourism development and management, students acquire the planning and management skills related to the growth and development of tourism throughout the world. The curriculum prepares students for employment across a wide variety of occupations in the rapidly expanding travel and tourism industry, while taking full advantage of its strong connections with the professional tourism community in Phoenix.

The required internship component of the program allows students to gain practical experiences leading to professional positions in various travel, tourism and related fields. Exposure to the practices of heritage tourism, sustainable tourism, resort management and meeting and convention planning, prepares students for successful careers in the travel and tourism industry. While pursuing the bachelor's in tourism development and management, a student may also choose to complete a certificate in convention sales and meeting planning. Additionally, students have the opportunity to participate in a study abroad program.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with:

Community Resources and Development (MS)

Sustainable Tourism (MAS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

The travel and tourism industry is the largest employer in the world and the second largest in Arizona. Based upon interests, graduates can seek work in the public, nonprofit or private and commercial sectors. Graduates find employment in such diverse settings as resorts, meeting planning, convention and visitor bureaus, tour operations and commercial recreation businesses. In such settings, graduates design, develop and manage services that address the needs of a particular clientele. The metropolitan Phoenix area is a major hub of tourism in the southwestern U.S. and has experienced rapid growth in:

- business and corporate travel
- meetings and conventions
- resorts and hotels
- sports tourism
- state and national parks
- the air transportation sector
- the gaming and casino sectors

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-0550

Tourism Development and Management (Resort and Hotel Leadership), BS (PPTDMRBS)

Campus: DTPHX

Program Description:

The concentration in resort and hotel leadership will attract students and professionals who have interests in the diverse areas of knowledge needed within the accommodations sector, such as:

- career opportunities
- ecological, social and economic sustainability practices in the industry
- the interrelated functions within departments of the lodging, food and beverage industries
- management and leadership specifically for the accommodations sector
- meeting the expectations of hotel and resort guests

A concentration in resort and accommodations leadership will provide students an academic option to study in-depth the resort and accommodations system, and gain knowledge of the importance of the business relationships between suppliers, intermediaries and vendors, guests, and the public and private sectors. The concentration will prepare students to serve our community by developing the skills, knowledge, techniques and capabilities needed for addressing major issues related to resorts and other tourism accommodations.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with Sustainable Tourism (MAS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

There are a variety of job opportunities for resort or hotel professionals, ranging from entry level as a management trainee to an assistant manager or manager in various departments such as:

- catering and banquet manager
- convention sales manager
- front desk manager
- guest services manager
- room division manager
- sales and marketing manager

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-0550

Tourism Development and Management (Sustainable Tourism), BS (PPTDMSBS)

Campus: DTPHX

Program Description:

The tourism development and management major provides students with the theoretical understanding necessary to maneuver the complexities of one of the world's largest industries. A concentration in sustainable tourism allows majors to hone their understanding of the key concepts of sustainability and how these can be applied to tourism destinations and development. Students will learn the dominant theories and language that make up sustainability science and the skills necessary to measure, create and implement sustainability policies in tourism destinations, from the planning to the management stage of development. Students will take courses offered by the School of Sustainability in addition to courses in the School of Community Resources and Development, guaranteeing a strong foundation in the basic theories of the growing field of sustainability while applying these newfound skills to tourism development and management.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Accelerated Degrees:

This degree is also offered as an accelerated degree with Sustainable Tourism (MAS)

Acceptance to the graduate program requires a separate application. Eligible students will be advised in their Junior and Senior years by their academic department to apply.

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

The area of sustainable tourism is becoming increasingly important. Many tourism businesses are hiring sustainability coordinators; these businesses include hotels, airlines, convention and visitor bureaus and large attractions. Tour companies, such as those that implement ecotourism and volunteer tourism experiences, are especially interested in employees with a strong sustainable tourism background. Numerous sustainable tourism nonprofit organizations have emerged in recent years, and many government-related tourism organizations also hire those with a strong sustainability focus. Consulting opportunities are available to assist tourism businesses in developing sustainable practices as well.

Contact Information:

Public Programs, College of
School of Community Resources and Development
<http://scrd.asu.edu>
UCENT 550
scrd@asu.edu
602-496-1056

Urban and Metropolitan Studies, BA (PPURBBA)

Campus: DTPHX

Program Description:

Located in the heart of downtown Phoenix, the urban and metropolitan studies program is for students who have a yearning to study and understand urban theory, in order to effectively address the challenges of rapid growth, along with other contemporary urban issues.

Students discover what makes the city tick - and the city is their classroom. They examine challenges and solutions by researching history, society, culture, economy and politics in order to understand urban theory. They use that knowledge to get involved in their communities, giving them an outlet through which they can experience practical ways of solving complex problems faced by metropolitan regions. Our students are invested in their neighborhoods. Many of them live and work downtown. In the urban and metropolitan studies program, they learn how to improve urban health and well-being, often training themselves to be the future leaders of our urban environments. Our students don't stop there; others focus on making a wide variety of other contributions to society, studying the role of arts and culture, business and property development, revitalization and community-building in the life of the region.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

The urban and metropolitan studies program prepares students for work in a wide range of fields. The interdisciplinary approach of the program allows graduates to successfully enter fields as diverse as urban management, revitalization, community development, urban sustainability and urban planning.

There are many careers and advanced degrees that may be pursued with a bachelor's degree in urban and metropolitan studies. Some of these careers require additional graduate-level studies and professional experience. Students in the program are advised to explore their options with academic and career advisors to prepare an appropriate program of study and plan to participate in an internship that complements their long-term professional goals.

Contact Information:

Public Programs, College of

School of Public Affairs

https://spa.asu.edu/programs/undergraduate/degrees/copy_of_ums

UCENT 400

spa@asu.edu

602-496-0450

Urban and Metropolitan Studies, BS (PPURBBS)

Campus: DTPHX

Program Description:

Located in the heart of downtown Phoenix, the urban and metropolitan studies program is for students who have a yearning to study and understand urban theory in order to effectively address the challenges of rapid growth, along with other contemporary urban issues.

Our students discover what makes the city tick - and the city is their classroom. They examine challenges and solutions by researching history, society, culture, economy and politics in order to understand urban theory. They use that knowledge to get involved in their communities, giving them an outlet through which they can experience practical ways of solving complex problems faced by metropolitan regions. Our students are

invested in their neighborhoods. Many of them live and work downtown. In the urban and metropolitan studies program, they learn how to improve urban health and well-being, often training themselves to be the future leaders of our urban environments. Our students don't stop there; others focus on making a wide variety of other contributions to society, studying the role of arts and culture, business and property development, and revitalization and community-building in the life of the region.

This major is eligible for the Western Undergraduate Exchange (WUE) program at the following location: Downtown Phoenix campus. Students from Western states, who select this major and campus, may be eligible for reduced nonresident tuition at a rate of 150 percent of Arizona resident tuition plus all applicable fees. See more information and eligibility requirements on the Western Undergraduate Exchange (WUE) program (<http://students.asu.edu/admission/wue>).

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

The urban and metropolitan studies program prepares students for work in a wide range of fields. The interdisciplinary approach of the program allows graduates to successfully enter fields as diverse as urban management, revitalization, community development, urban sustainability and urban planning.

There are many careers and advanced degrees that may be pursued with a bachelor's degree in urban and metropolitan studies. Some of these careers require additional graduate-level studies and professional experience. Students in the program are advised to explore their options with academic and career advisors, to prepare an appropriate program of study and a plan to participate in an internship that complements their long-term professional goals.

Contact Information:

Public Programs, College of

School of Public Affairs

https://spa.asu.edu/programs/undergraduate/degrees/copy_of_ums

UCENT 400

spa@asu.edu

602-496-0450

Sustainability, School of

Sustainability, BA (SUSUSTBA)

Campus: TEMPE

Program Description:

Students in the ASU School of Sustainability are rethinking and reinventing the future of a world at risk. The school's course of study encourages experiential learning, study abroad, research with faculty, community engagement and leadership development. The knowledge and solutions that are created today will shape the quality of life for future generations.

The School of Sustainability offers two degrees in sustainability: a BA and a BS. Both programs introduce students to the concept of sustainability in the context of real-world problems, and focus on developing practical solutions to some of the most pressing environmental, economic and social challenges of sustainability. The curriculum addresses a broad spectrum of global challenges through the lens of solution-orientation by training students to think in terms of complex adaptive systems and resilience; interconnections and cascading effects between scales; management of tradeoffs; stakeholder engagement; future visioning and scenario typologies for transitioning social-ecological systems; and other cutting-edge frameworks to address sustainability challenges. Students have opportunities to be a part of faculty research projects using these methods and principles, offering hands-on experience in sustainability.

The BA is geared toward students interested in the social and human aspects of sustainability. In addition to the core skillset of sustainability literacy and competencies, the program focuses on the social science of sustainability in global, regional and local contexts. Disciplinary perspectives included in the core courses of the degree tracks include political science, geography, sociology, environmental economics, anthropology, philosophy of science, ethics, design, and planning relevant to the sustainability of environmental resources and social institutions.

Students select from one of the four following tracks:

- international development and sustainability
- policy and governance in sustainable systems
- society and sustainability
- sustainable urban dynamics

Students in the School of Sustainability not only gain an understanding of the field of sustainability with strong problem-solving, systems thinking, stakeholder engagement, and future scenario-building skills, they also develop strength in a more traditional discipline of their choice. They blend and apply these skills and streams of knowledge through required capstone experiences in the senior year. The capstone consists of an applied internship with a sustainability-focused organization and a capstone workshop course, in which students work together as a project team to develop solutions to real sustainability problems.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: SOS 101 - Intro Appl Math Life & Soc Sci

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The School of Sustainability has higher admission requirements. Applicants must select a second choice for their major on the application. Students who are not admitted to the School of Sustainability and who did not select a second major or are not admissible to the second major choice will be admitted to the exploratory social and behavioral sciences program within the School of Letters and Sciences. Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Freshman applicants must meet the following standards:

Have a minimum high school ABOR GPA of 3.30 AND

- a high school class rank in the top 15 percent of class OR
- an SAT combined score of 1140 or higher OR
- an ACT combined score of 25 or higher.
- No high school math competency deficiency.

Transfer students (with 12 or more transfer hours after high school graduation) are required to have a cumulative transfer GPA of 3.30 or higher.

ASU students who would like to change their major to sustainability are required to have a cumulative ASU GPA of 3.30 or higher (based on at least 12 credit hours).

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

In addition to going on to graduate school, graduates of the program are qualified for well-paying positions in:

- consultancy
- government
- industry
- intergovernmental organizations
- international development
- management
- municipalities

- nongovernmental organizations or nonprofits
- policy-making
- regulatory agencies
- utilities

Recent interest in sustainability within business and government has created new employment opportunities (e.g., sustainability coordinators, directors and managers). Of alumni who have shared their experience with the School, 83 percent are employed in sectors such as those listed above, and 12 percent have gone on to a graduate program. Sustainability students offer employers and graduate programs an integrated approach to developing solutions to sustainability challenges. They understand the complexity of interconnected social-ecological systems, have explored sustainability challenges from various disciplinary perspectives, and understand the importance of communication in planning for resilience and adaptation, and how to engage stakeholders in that process. Graduates of the program are adaptable and prepared for a changing world.

Contact Information:

Sustainability, School of
 School of Sustainability
<http://schoolofsustainability.asu.edu>
 WGHL 108
schoolofsustainability@asu.edu
 480-727-6963

Sustainability, BS (SUSUSTBS)

Campus: TEMPE

Program Description:

Students in the ASU School of Sustainability are rethinking and reinventing the future of a world at risk. The school's course of study encourages experiential learning, study abroad, research with faculty, community engagement and leadership development. The knowledge and solutions that are created today will shape the quality of life for future generations.

The School of Sustainability offers two degrees in sustainability: a BA and a BS. Both programs introduce students to the concept of sustainability in the context of real-world problems and focus on developing practical solutions to some of the most pressing environmental, economic and social challenges of sustainability. The curriculum addresses a broad spectrum of global challenges through the lens of solution-orientation by training students to think in terms of complex adaptive systems and resilience; interconnections and cascading effects between scales; management of tradeoffs; stakeholder engagement; future visioning and scenario typologies for transitioning social-ecological systems; and other cutting-edge frameworks to address sustainability challenges. Students have opportunities to be a part of faculty research projects using these methods and principles, offering hands-on experience in sustainability.

The bachelor of science is geared toward students interested in the technological, biological and economic aspects of sustainability. It focuses on the industrial, ecological and societal processes that gave rise to the world we live in and continue to maintain its viability for human life. In addition to the core skillset of sustainability literacy and competencies, the program focuses on the more technical and math-based science of sustainability in global, regional and local contexts. Disciplinary perspectives included in the core courses of the degree tracks include ecology, engineering, environmental economics, conservation biology, environmental science, physical geography, earth-systems management, hydrology and other disciplines relevant to the sustainable use of natural resources.

Students select from one of the three following tracks:

- economics of sustainability
- sustainable ecosystems
- sustainable energy, materials and technology

Students in the School of Sustainability not only gain an understanding of the field of sustainability and strong problem-solving, systems thinking, stakeholder engagement, and future scenario-building skills, they also develop strength in a more traditional discipline. They blend and apply these skills and streams of knowledge through required capstone experiences in the senior year. The capstone consists of an applied internship with a sustainability-focused organization and a capstone workshop course, in which students work together as a project team to develop solutions to real-world sustainability problems.

Additional Program Fee: N

Second Language Requirement: Y

First Required Math Course: SOS 101 - Intro Appl Math Life & Soc Sci

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The School of Sustainability has higher admission requirements. Applicants must select a second choice for their major on the application. Students who are not admitted to the School of Sustainability and who did not select a second major or are not admissible to the second major choice will be admitted to the exploratory social and behavioral sciences program within the School of Letters and Sciences. Students with more than 45 transfer hours who are not admissible to the School of Letters and Sciences will be contacted to select an appropriate major.

Freshman applicants must meet the following standards:

have a minimum high school ABOR GPA of 3.30 AND

- a high school class rank in the top 15 percent of class OR
- an SAT combined score of 1140 or higher OR
- an ACT combined score of 25 or higher.
- No high school math competency deficiency.

Transfer students (with 12 or more transfer hours after high school graduation) are required to have a cumulative transfer GPA of 3.30 or higher.

ASU students who would like to change their major to sustainability are required to have a cumulative ASU GPA of 3.30 or higher (based on at least 12 credit hours).

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

In addition to going on to graduate school, graduates of the program are qualified for well-paying positions in:

- consultancy
- energy management
- government
- industry
- intergovernmental organizations
- international development
- management
- municipalities
- natural resource management
- nongovernmental organizations
- nonprofits
- policy-making
- regulatory agencies
- utilities
- water management
- waste management

Recent interest in sustainability within business and government has created new employment opportunities (e.g., sustainability coordinators, directors and managers). Of alumni who have shared their experience with the school, 83 percent are employed in various sectors and 12 percent have gone on to a graduate program. Sustainability students offer employers and graduate programs an integrated approach to developing solutions to sustainability challenges. They understand the complexity of systems, have engaged in a range of knowledge and experience from different disciplinary perspectives, and understand the importance of planning for the future and how to engage stakeholders in that process. Graduates of the program are adaptable and prepared for a changing world.

Contact Information:

Sustainability, School of

School of Sustainability

<http://schoolofsustainability.asu.edu>

WGHL 108

schoolofsustainability@asu.edu

480-727-6963

Teachers College, Mary Lou Fulton

Early Childhood and Early Childhood Special Education, BAE (TEECSEBAE)

Campus: TEMPE

Program Description:

The BAE for the early childhood and early childhood special education program prepares students for certification in early childhood education (birth to grade three) and early childhood special education (birth to age five). This dual certification program is the only undergraduate degree of its kind in the state.

This is a premier program taught by nationally renowned faculty members who emphasize community connectedness, technology integration, policy analysis and advocacy related to young children with or without disabilities or developmental delays.

The program teaches child development, best practices in early childhood education, and the skills to assess, monitor and report the progress of children with and without disabilities. It provides techniques and approaches to involve family members in the growth and development of the young child.

Each semester during the iTeachAZ professional program, students engage in field experiences and student teaching that prepare them for work in early childhood and early childhood special education settings. Course work is aligned with field experiences, including a senior year residency collaborative student teaching experience that begins with an early childhood apprenticeship in a PreK-3 classroom, as well as an inclusive special education setting.

Graduates are recommended for teacher certification. Those desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

There is a strong demand for early childhood special education teachers in Arizona. A high percentage of students from this program receive job offers during their senior year residency. Many graduates with a degree in early childhood special education hold leadership positions in Head Start, private nonprofit and private for-profit center-based programs and public school early childhood environments. Early childhood certification or endorsement is required to teach kindergarten in Arizona.

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<http://education.asu.edu/>

ED 120

educationadvising@asu.edu

480-965-5555

Education Exploratory, (TEEDUEXPL)

Campus: POLY, TEMPE, WEST

Program Description:

Students in the education exploratory track have the unique opportunity to explore different certification areas prior to selecting one of the 27 majors within the Mary Lou Fulton Teachers College. Students on this track will be exposed to all programs and certification areas during the course TEL 101 The Teachers College Experience and through specific events scheduled throughout freshman year. Students will be able to make a more

informed decision about the grade level or subject they want to teach while the exploratory track keeps them on track to graduate from any of the Bachelor of Arts in education programs. This track will not lead to a degree, and students will need to declare a major after completion of 30 credits.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

All students in the education exploratory program will graduate from one of the majors within Mary Lou Fulton Teachers College. Information for those career opportunities can be found under the major.

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<http://education.asu.edu>

ED 120

educationadvising@asu.edu

480-965-5555

Educational Studies, BAE (EDSLSTBAE)

Campus: ONLNE, POLY, TEMPE, WEST

Program Description:

The BAE for educational studies prepares students to work with children and youth outside of traditional classrooms.

Graduates will gain a versatile degree qualifying them for a variety of career paths working with children and youth in nonprofit or government organizations, private educational or recreational settings, or as entrepreneurs in children and youth oriented fields. This degree is also a good fit for students wanting to pursue graduate degrees in education or education-related fields. The educational studies program does not lead to teacher certification.

The program provides a strong foundation in education by examining current issues in education, educational psychology, child and adolescent development, and evidence-based practices. Students will choose an area of focus such as environmental science, special education or technology. The focus area will be augmented by service learning experiences in local agencies and programs. Students complete four semesters of service learning in areas of interest.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Attend Online: ASU offers this program in a fully online format-no face-to-face sessions required. We offer six enrollment sessions throughout the year, and you learn in accelerated, 7.5-week classes.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Arizona Western College (<http://transfer.asu.edu/az-western>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Cochise College (<http://transfer.asu.edu/cochise>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Northland Pioneer College (<http://transfer.asu.edu/northland-pioneer>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Career Opportunities:

This degree prepares students for positions in fields which require a baccalaureate degree and in which they have the opportunity to work with children or youth, positions such as director, coordinator or program manager for nonprofit or government organizations, or as an entrepreneur. This degree is also appropriate for students whose future plans include postgraduate degrees.

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<http://www.education.asu.edu/>

ED 120

educationadvising@asu.edu

480-965-5555

Elementary Education, BAE (TEEEDBAE)

Campus: POLY, TEMPE, WEST

Program Description:

This BAE program leads to elementary education certification in the state of Arizona (grades 1-8).

This program offers students a firm grounding in academic content with current research and best practices, accompanied by real-world classroom experiences. Faculty members in the program are nationally recognized in their field of expertise.

During junior year, students begin the iTeachAZ professional program where course work is aligned with field experience in a local school. The only program of its kind in Arizona, iTeachAZ is providing students with an opportunity to work directly with children and make an immediate impact on classroom achievement. This intensive hands-on student teaching model of teacher preparation creates highly sought after graduates.

Students graduate from the program with extensive experience in integrating technology into teaching and a full structured English immersion endorsement.

Graduates are recommended for grades 1-8 elementary teacher certification. Those desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEP/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Central Arizona College (<http://transfer.asu.edu/central-az>)

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Pima Community College (<http://transfer.asu.edu/pima>)
Arizona Western College (<http://transfer.asu.edu/az-western>)
Coconino Community College (<http://transfer.asu.edu/coconino>)
Cochise College (<http://transfer.asu.edu/cochise>)
Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)
Mohave Community College (<http://transfer.asu.edu/mohave>)
Yavapai College (<http://transfer.asu.edu/yavapai>)

Career Opportunities:

There is a demand for highly qualified elementary teachers in Arizona. A high percentage of students from this program receive job offers during their student teaching. Many graduates with a degree in elementary education work in:

- charter schools
- nontraditional settings
- private school settings
- public elementary schools

Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
<http://education.asu.edu/>
ED 120
educationadvising@asu.edu
480-965-5555

Elementary Education (Bilingual Education and English as a Second Language), BAE (TEDLLBAE)

Campus: POLY, TEMPE, WEST

Program Description:

The BAE for elementary education, bilingual education and English-as-a-second-language program gives students a firm grounding in academic content with current research and best practices, accompanied by real-world classroom experiences.

Students can expect to learn principles of language, foundations of Structured English Immersion, global awareness and diversity in families and communities in multicultural settings, as well as the traditional teacher subjects such as math, language arts, computer literacy and natural science for students who are English language learners.

Students will also engage in field experiences and internships that align with the Bilingual Education and ESL program. A senior-year student teaching residency provides the culminating experience for this program. Students are placed in partner schools' grades 1-8 classrooms that have high concentrations of English language learners.

The program requires six credit hours of a foreign language or its equivalent and enables students to work with second-language learners.

Graduates are recommended for grades 1-8 elementary teacher certification. Those desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Arizona Western College (<http://transfer.asu.edu/az-western>)
Coconino Community College (<http://transfer.asu.edu/coconino>)
Cochise College (<http://transfer.asu.edu/cochise>)
Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)
Mohave Community College (<http://transfer.asu.edu/mohave>)
Pima Community College (<http://transfer.asu.edu/pima>)
Yavapai College (<http://transfer.asu.edu/yavapai>)
Central Arizona College (<http://transfer.asu.edu/central-az>)

Career Opportunities:

There is a great demand for teachers in Arizona with a Bilingual Educ/ESL endorsement. A high percentage of students from this program receive job offers during their student teaching. Many graduates with a degree in elementary education work in:

- charter schools
- nontraditional settings
- private school settings
- public elementary schools

Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
<http://education.asu.edu/>
ED 120
educationadvising@asu.edu
480-965-5555

Elementary Education (Science, Technology, Engineering and Mathematics), BAE (TEESTEMBAE)

Campus: POLY

Program Description:

The BAE in elementary education with a STEM (math and science) emphasis has course work that leads to an elementary education teaching certificate and highly qualified teaching status in science or math. This program offers students a firm grounding in math and science content, with current research and best practices accompanied by real-world classroom experience in math and science classrooms.

Graduates are recommended for grades 1-8 elementary teacher certification. Those desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

There is a demand for highly qualified elementary teachers in math or science in Arizona, according to recent research on teacher supply and demand. The job opportunities in a fast growing state such as Arizona are numerous. Demand for math and science teachers will continue to grow.

Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation

<http://education.asu.edu>
ED 120
educationadvising@asu.edu
480-965-5555

Secondary Education (Biological Sciences), BAE (TEBIOBAE)

Campus: POLY, TEMPE, WEST

Program Description:

The BAE in secondary education program prepares educators to teach youth enrolled in seventh through 12th grades. While teacher candidates develop a strong theoretical background in their specific content area, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: art, biological sciences, chemistry, dance, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

Clinical experiences and student teaching are required in secondary schools with student teaching in a content area serving as a culminating experience. Teacher candidates are placed with experienced content area mentor teachers in partner schools for both clinical experiences and student teaching.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates from secondary education are recommended for certification in an approved area for grades seven through 12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
<http://education.asu.edu/>
ED 120
educationadvising@asu.edu
480-965-5555

Secondary Education (Business), BAE (EDBUSBAE)

Campus: POLY, TEMPE, WEST

Program Description:

The BAE in secondary education program at Mary Lou Fulton Teachers College prepares educators to teach youth enrolled in seventh through 12th

grades. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: art, biological sciences, chemistry, dance, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

Clinical experiences and student teaching are required in secondary schools, with student teaching in a content area serving as a culminating experience. Teacher candidates are placed with experienced content area mentor teachers in partner schools for both clinical experiences and student teaching.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates from secondary education are recommended for certification in an approved area for grades seven through 12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<http://education.asu.edu/programs>

ED 120

educationadvising@asu.edu

480-965-5555

Secondary Education (Chemistry), BAE (TECHMBAE)

Campus: POLY, TEMPE, WEST

Program Description:

The BAE in secondary education program prepares educators to teach youth enrolled in seventh through 12th grades. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: art, biological sciences, chemistry, dance, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

Clinical experiences and student teaching are required in secondary schools, with student teaching in a content area serving as a culminating experience. Teacher candidates are placed with experienced content area mentor teachers in partner schools for both clinical experiences and student teaching.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Cochise College (<http://transfer.asu.edu/cochise>)

Career Opportunities:

Graduates from secondary education are recommended for certification in an approved area for grades seven through 12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<http://education.asu.edu/>

ED 120

educationadvising@asu.edu

480-965-5555

Secondary Education (EAC), BAE (TESEDBAE)

Campus: EAC

Program Description:

Please note: This program is only offered at Eastern Arizona College and is designed for students who complete a TAG agreement. Please see the admission requirements below.

The BAE in secondary education program prepares educators to teach youth enrolled in seventh through 12th grades. While teacher candidates develop a strong theoretical background in their specific content area, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: art, biological sciences, chemistry, dance, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

Clinical experiences and student teaching are required in secondary schools with student teaching in a content area serving as a culminating experience. Teacher candidates are placed with experienced content area mentor teachers in partner schools for both clinical experiences and

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student teaching.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 170 - Precalculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements:

The ASU and Eastern Arizona College partnership is a pathway that allows students to complete the ASU Transfer Admission Guarantee in Secondary Education, a prescribed sequence of courses that meets the requirements for EAC's Associate of Arts degree and the lower-division requirements for the ASU Bachelors of Arts in Education in secondary education. Upon completion of the TAG, students will complete the remaining requirements for ASU's secondary education BAE at Eastern Arizona College on the Thatcher campus. Visit <https://transfer.asu.edu/eac> for more information about ASU degrees offered at EAC Thatcher campus. Applicants must have completed the TAG agreement and earned an associate degree for acceptance to the bachelor's at EAC.

Career Opportunities:

Graduates from secondary education are recommended for certification in an approved area for grades seven through 12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<http://education.asu.edu>

ED 120

educationadvising@asu.edu

480-965-5555

Secondary Education (Earth and Space Sciences), BAE (EDESSBAE)

Campus: POLY, TEMPE, WEST

Program Description:

The BAE in secondary education program prepares educators to teach youth enrolled in seventh through 12th grades. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: art, biological sciences, chemistry, dance, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

Clinical experiences and student teaching are required in secondary schools, with student teaching in a content area serving as a culminating experience. Teacher candidates are placed with experienced content area mentor teachers in partner schools for both clinical experiences and student teaching.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates from secondary education are recommended for certification in an approved area for grades seven through 12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<http://education.asu.edu/>

ED 120

educationadvising@asu.edu

480-965-5555

Secondary Education (Economics), BAE (EDECNBAE)

Campus: POLY, TEMPE, WEST

Program Description:

The BAE in secondary education program prepares educators to teach youth enrolled in seventh through 12th grades. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: art, biological sciences, chemistry, dance, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

Clinical experiences and student teaching are required in secondary schools, with student teaching in a content area serving as a culminating experience. Teacher candidates are placed with experienced content area mentor teachers in partner schools for both clinical experiences and student teaching.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 210 - Brief Calculus

Program Math Intensity: Moderate

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates from secondary education are recommended for certification in an approved area for grades seven through 12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

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educationadvising@asu.edu

480-965-5555

Secondary Education (English), BAE (TEENGBAE)

Campus: POLY, TEMPE, WEST

Program Description:

The BAE in secondary education program prepares educators to teach youth enrolled in seventh through 12th grades. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: art, biological sciences, chemistry, dance, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

Clinical experiences and student teaching are required in secondary schools, with student teaching in a content area serving as a culminating experience. Teacher candidates are placed with experienced content area mentor teachers in partner schools for both clinical experiences and student teaching.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program. Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Graduates from secondary education are recommended for certification in an approved area for grades seven through 12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
<http://education.asu.edu/>
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480-965-5555

Secondary Education (French), BAE (EDFREBAE)

Campus: POLY, TEMPE, WEST

Program Description:

The BAE in secondary education program prepares educators to teach youth enrolled in seventh through 12th grades. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: art, biological sciences, chemistry, dance, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

Clinical experiences and student teaching are required in secondary schools, with student teaching in a content area serving as a culminating experience. Teacher candidates are placed with experienced content area mentor teachers in partner schools for both clinical experiences and student teaching.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEAP/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates from secondary education are recommended for certification in an approved area for grades seven through 12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

Contact Information:

Teachers College, Mary Lou Fulton
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<http://education.asu.edu/>
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educationadvising@asu.edu
480-965-5555

Secondary Education (Geography), BAE (EDGCUBAE)

Campus: POLY, TEMPE, WEST

Program Description:

The BAE in secondary education program prepares educators to teach youth enrolled in seventh through 12th grades. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: art, biological sciences, chemistry, dance, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

Clinical experiences and student teaching are required in secondary schools, with student teaching in a content area serving as a culminating experience. Teacher candidates are placed with experienced content area mentor teachers in partner schools for both clinical experiences and student teaching.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates from secondary education are recommended for certification in an approved area for grades seven through 12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
<http://education.asu.edu/>
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educationadvising@asu.edu
480-965-5555

Secondary Education (German), BAE (EDGERBAE)

Academic Catalog Archive 2014-2015 1219

Campus: POLY, TEMPE, WEST

Program Description:

The BAE in secondary education program prepares educators to teach youth enrolled in seventh through 12th grades. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: art, biological sciences, chemistry, dance, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

Clinical experiences and student teaching are required in secondary schools, with student teaching in a content area serving as a culminating experience. Teacher candidates are placed with experienced content area mentor teachers in partner schools for both clinical experiences and student teaching.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates from secondary education are recommended for certification in an approved area for grades seven through 12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

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educationadvising@asu.edu

480-965-5555

Secondary Education (History), BAE (TEHISBAE)

Campus: POLY, TEMPE, WEST

Program Description:

The BAE in secondary education program prepares educators to teach youth enrolled in seventh through 12th grades. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: art, biological sciences, chemistry, dance, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical

education, physics, political science and Spanish.

Clinical experiences and student teaching are required in secondary schools, with student teaching in a content area serving as a culminating experience. Teacher candidates are placed with experienced content area mentor teachers in partner schools for both clinical experiences and student teaching.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Cochise College (<http://transfer.asu.edu/cochise>)

Career Opportunities:

Graduates from secondary education are recommended for certification in an approved area for grades seven through 12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

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ED 120

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Secondary Education (Japanese), BAE (EDJPNBAE)

Campus: POLY, TEMPE, WEST

Program Description:

The BAE in secondary education program prepares educators to teach youth enrolled in seventh through 12th grades. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: art, biological sciences, chemistry, dance, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

Clinical experiences and student teaching are required in secondary schools, with student teaching in a content area serving as a culminating experience. Teacher candidates are placed with experienced content area mentor teachers in partner schools for both clinical experiences and student teaching.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates from secondary education are recommended for certification in an approved area for grades seven through 12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

Contact Information:

Teachers College, Mary Lou Fulton

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480-965-5555

Secondary Education (Mathematics), BAE (TEMATBAE)

Campus: POLY, TEMPE, WEST

Program Description:

The BAE in secondary education program prepares educators to teach youth enrolled in seventh through 12th grades. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: art, biological sciences, chemistry, dance, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

Clinical experiences and student teaching are required in secondary schools, with student teaching in a content area serving as a culminating experience. Teacher candidates are placed with experienced content area mentor teachers in partner schools for both clinical experiences and student teaching.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Cochise College (<http://transfer.asu.edu/cochise>)

Career Opportunities:

Graduates from secondary education are recommended for certification in an approved area for grades seven through 12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<http://education.asu.edu/>

ED 120

educationadvising@asu.edu

480-965-5555

Secondary Education (Physical Education), BAE (ECPPEBAE)

Campus: POLY

Program Description:

The BAE in secondary education program with a physical education concentration leads to a K-12th grade teaching certificate. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach elementary, middle or high school students. The curriculum directly aligns with Arizona's standards for teachers and the National Association for Sport and Physical Education's beginning teacher standards.

Clinical experiences and student teaching are required in elementary and secondary schools, with student teaching in a content area serving as a culminating experience. Teacher candidates are placed with experienced content area mentor teachers in partner schools for both clinical experiences and student teaching.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Additional Requirements: Students will be admitted to the preprofessional status and must complete additional requirements for entrance to the professional status. See department web site for more information.

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Graduates from secondary education with a physical education concentration are recommended for certification for grades K through 12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
<http://education.asu.edu/>
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Secondary Education (Physics), BAE (EDPHYBAE)

Campus: POLY, TEMPE, WEST

Program Description:

The BAE in secondary education program prepares educators to teach youth enrolled in seventh through 12th grades. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: art, biological sciences, chemistry, dance, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

Clinical experiences and student teaching are required in secondary schools, with student teaching in a content area serving as a culminating experience. Teacher candidates are placed with experienced content area mentor teachers in partner schools for both clinical experiences and student teaching.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 270 - Calculus w/Analytic Geometry I

Program Math Intensity: Substantial

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.
Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Career Opportunities:

Graduates from secondary education are recommended for certification in an approved area for grades seven through 12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

Contact Information:

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 480-965-5555

Secondary Education (Political Science), BAE (TEPOLBAE)

Campus: POLY, TEMPE, WEST

Program Description:

The BAE in secondary education program prepares educators to teach youth enrolled in seventh through 12th grades. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: art, biological sciences, chemistry, dance, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

Clinical experiences and student teaching are required in secondary schools, with student teaching in a content area serving as a culminating experience. Teacher candidates are placed with experienced content area mentor teachers in partner schools for both clinical experiences and student teaching.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Cochise College (<http://transfer.asu.edu/cochise>)

Career Opportunities:

Graduates from secondary education are recommended for certification in an approved area for grades seven through 12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
<http://education.asu.edu/>
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educationadvising@asu.edu
480-965-5555

Secondary Education (Spanish), BAE (TESPABAE)

Campus: POLY, TEMPE, WEST

Program Description:

The BAE in secondary education program prepares educators to teach youth enrolled in seventh through 12th grades. While teacher candidates develop a strong theoretical background in their specific content areas, the program focuses on developing the requisite teaching knowledge and abilities to successfully teach middle or high school students.

In order to integrate teacher preparation with the secondary education requirements for an academic specialization, the college collaborates with academic departments across the university. The program offers the following secondary education certification areas: art, biological sciences, chemistry, dance, earth and space sciences, economics, English, French, geography, German, history, Japanese, mathematics, physical education, physics, political science and Spanish.

Clinical experiences and student teaching are required in secondary schools, with student teaching in a content area serving as a culminating experience. Teacher candidates are placed with experienced content area mentor teachers in partner schools for both clinical experiences and student teaching.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Career Opportunities:

Graduates from secondary education are recommended for certification in an approved area for grades seven through 12. The demand for well-prepared secondary teachers is strong, particularly in the areas of math and science. Job opportunities in a fast growing state such as Arizona are numerous. Graduates with a degree in secondary education work in:

- charter schools
- private school settings
- public schools

Contact Information:

Teachers College, Mary Lou Fulton
Division of Teacher Preparation
<http://education.asu.edu/>
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Special Education and Elementary Education, BAE (TESPEBAE)

Campus: POLY, TEMPE, WEST

Program Description:

The BAE in special education and elementary education dual program leads to teacher certificates in K-12 cross-categorical special education and 1-8 elementary education. The dual program prepares students to work with typical children and youth and those with mild to moderate disabilities in inclusive settings. Additionally, students receive a full structured English immersion endorsement to teach students who are learning English.

The dual program is designed to give students grounding in academic content with current research and evidence-based practices in literacy, math, sciences, health and social studies; integration of technology into all areas; and real-world experience in classrooms through the iTeachAZ program. Students become engaged in clinical experiences and student teaching that align with their special education and elementary education academic program.

Graduates of the program desiring to teach in a public school must pass the appropriate Arizona Educator Exams (AEPA/NES) in both content area and professional knowledge to be certified to teach in the state of Arizona.

Additional Program Fee: N

Second Language Requirement: N

First Required Math Course: MAT 142 - College Mathematics

Program Math Intensity: General

Admission Requirements:

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman (<https://students.asu.edu/freshman/requirements>)

Transfer (<https://transfer.asu.edu/index.php?q=transferrequirements>)

International (<https://students.asu.edu/international/future>)

Readmission (<https://students.asu.edu/readmission>)

Transfer Agreements: ASU has partnered with the following institutions to provide curriculum pathways for transfer to this ASU degree program.

Maricopa County Community College District (<http://transfer.asu.edu/maricopa>)

Arizona Western College (<http://transfer.asu.edu/az-western>)

Coconino Community College (<http://transfer.asu.edu/coconino>)

Cochise College (<http://transfer.asu.edu/cochise>)

Eastern Arizona College (<http://transfer.asu.edu/eastern-az>)

Mohave Community College (<http://transfer.asu.edu/mohave>)

Pima Community College (<http://transfer.asu.edu/pima>)

Yavapai College (<http://transfer.asu.edu/yavapai>)

Central Arizona College (<http://transfer.asu.edu/central-az>)

Career Opportunities:

National and state studies report the projected need in the next five to 10 years will be high for special education teachers. Graduates of the program will be eligible to teach in elementary education grades 1-8 and K-12 for the spectrum of high incidence disabilities:

- emotional disorders
- intellectual disabilities (mild or moderate)
- orthopedic impairments
- other health impairments
- specific learning disabilities

Graduates can teach in a variety of inclusive educational settings, including public, charter and private schools, as well as nontraditional settings (juvenile system, children's hospital, etc.).

Contact Information:

Teachers College, Mary Lou Fulton

Division of Teacher Preparation

<http://education.asu.edu/>

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educationadvising@asu.edu

480-965-5555

2014 - 2015 Major Map Accountancy, BS

W. P. Carey School of Business

Tempe campus, West campus
BAACCBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ACC 101: Accountancy LEAP Program	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3-4	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16-17		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 232: Financial Accounting I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3-4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16-17		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 242: Managerial Accounting I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 ECN 221: Business Statistics (CS)	3	C	
COM 230: Small Group Communication (SB)	3		

Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4
⚠ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 49 - 64 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 340: External Reporting I	3	C	
COM 225: Public Speaking (L) OR COM 259: Communication in Business and the Professions	3		
FIN 300: Fundamentals of Finance	3	C	
WPC 301: Business Forum	1	C	
PSY course (SB)	3		
Elective	3		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 65 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACC 440: External Reporting II	3	C	
★ LES 305: Business Law and Ethics for Managers	3	C	
★ MGT 300: Organization and Management Leadership	3	C	
★ SCM 300: Global Supply Operations	3	C	
ENG 302: Business Writing (L)	3		
Term hours subtotal:	15		

Term 6 80 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MKT 300: Marketing and Business Performance	3	C	
ACC 350: Internal Reporting	3	C	
ACC 430: Taxes and Business Decisions	3	C	
CIS 360: Business Database Concepts	3	C	
ECN 306: Survey of International Economics (SB & G)	3	C	
Term hours subtotal:	15		

Term 7 95 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACC 360: Ethics for Professional Accountants	3	C	Accounting Internship Track students will replace Term 7 courses with courses listed in "Accounting Internship Track Term 7 Courses."
ACC 444: Enterprise Process Analysis and Design	3	C	
SOC course (SB)	3		
Upper Division Business Elective	3	C	
Elective	1		
Term hours subtotal:	13		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACC 450: Principles of Auditing	3	C	Accounting Internship Track students will replace Term 8 courses with courses listed in "Accounting Internship Track Term 8 Courses."
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Elective	1		
Term hours subtotal:		13	

• Accounting Internship Track

To be eligible, students must be W. P. Carey Accountancy majors who have completed a minimum of 72 credit hours of coursework and earned a minimum cumulative GPA of 3.50 and a minimum major (ACC) GPA of 3.50. The following courses must be completed with a "C" or better prior to starting the internship: ACC 340, ACC 350, ACC 440, ACC 430, ACC 450.

Students in the Accounting Internship Track (<http://wpcarey.asu.edu/masters-internships>) complete the following courses in terms 7 and 8.

- Term 7 Note: Courses are 3 credit hours each, with the exception of: Elective - 2 credit hours.
- Term 8 Note: Courses are 3 credit hours each, with the exception of: ACC 484: Internship - 6 credit hours.

Accounting Internship Track Term 7 Courses

ACC 450: Principles of Auditing

WPC 480: W. P. Carey Capstone Course (L)

SOC course (SB)

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)

Accounting Internship Track Term 8 Courses

ACC 484: Internship

ACC 444: Enterprise Process Analysis and Design

ACC 360: Ethics for Professional Accountants

Upper Division Business Elective Options

CIS 308: Advanced Excel in Business

CIS 311: Business Project Management

CIS 425: Electronic Commerce Strategy

ECN 313: Intermediate Macroeconomic Theory (SB)

ECN 312: Intermediate Microeconomic Theory (SB)

ECN 315: Money & Banking

ECN 331: Economics of the European Economic Union (SB & G)

ECN 335: South Asia and the World Economy (SB & G)

ECN 360: Economic Development (SB & G)

ECN 365: Economics of Russia and Eastern Europe (SB & G)

ECN 394: Environmental and Resource Economics

ECN 394: Economics of Health Care

ECN 404: History of Economic Thought (SB)

ECN 410: Applied Regression Analysis and Forecasting

ECN 416: Game Theory and Economic Behavior

ECN 421: Labor Economics (SB)

ECN 425: Introduction to Econometrics

ECN 438: International Monetary Economics (SB & G)

ECN 441: Public Economics (SB)

ECN 450: Law and Economics

ECN 453: Industrial Organization and Competition Policy

MGT 302: Principles of International Business (G)

MGT 310: Collaborative Team Skills

MGT 360: Entrepreneurship and Value Creation

MGT 340: Creativity and Innovation (L or HU)

MGT 400: Cross-Cultural Management (C & G)

MGT 410: Responsible Management

MGT 411: Leading Organizations

MGT 420: Human Resource Management

MGT 430: Negotiations

MGT 440: Entrepreneurship

MGT 445: Business Plan Development

MGT 450: Consulting Projects (L)

MGT 459: International Management (G)

MKT 365: Advertising Management

SCM 463: Global Supply Chain Management (G)

Any Upper division course in the W.P. Carey School of Business will satisfy the elective requirement, with the exception of the following courses: REA 380, FIN 380, MGT 380, MKT 382, MKT 390, MKT 391, MKT 392, MKT 393, MKT 394, MKT 395, MKT 396, MKT 397, MKT 398, LES 380, ECN 382, ACC 394/382, CIS 300, CIS 394, SCM 301, SCM 394 and any WPC prefix course

(except WPC 480 which can be used for this requirement for students in the 2012 catalog or earlier only).

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Business, BA

W. P. Carey School of Business

Polytechnic campus, Tempe campus, West campus
BABUSBA

This program is not currently accepting applications.

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
MAT 210: Brief Calculus (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Milestone: Selection of a concentration			
 Milestone: Minimum 2.0 GPA ASU Cumulative			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC course (SB)	3		
Cultural Diversity in the U.S. (C)	3		
 Milestone: Minimum 2.0 GPA ASU Cumulative			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

- Not selectable as an ASU admission option.
- Changes of major into this program are not allowed.
- Must declare concentration by the end of Term 1.

Notes:

- - Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
 - Transfer UD Business Course Hours: 9 Hours Maximum.
 - Community College Business Hours: 30 Hours Maximum.
 - Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 31

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Business (Communication), BA**

W. P. Carey School of Business
BABUSCBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman. • Minimum 2.5 ASU cumulative GPA will be required in Terms 6-8 in order to register for COM 312, COM 430, and COM 453.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC course (SB)	3		
Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	

❗ COM 100: Introduction to Human Communication (SB)	3	C
❗ ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C
PSY course (SB)	3	
Natural Science - Quantitative (SQ)	4	
❗ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

Term 4 48 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ ACC 241: Uses of Accounting Information II	3	C	
❗ COM 230: Small Group Communication (SB)	3	C	
❗ ECN 221: Business Statistics (CS)	3	C	
WPC 301: Business Forum	1	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
❗ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 259: Communication in Business and the Professions	3	C	
ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L)	3		
FIN 300: Fundamentals of Finance	3	C	
SCM 300: Global Supply Operations	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 312: Communication, Conflict, and Negotiation	3	C	• Note: COM 312 pre-requisites include minimum 2.5 ASU cumulative GPA
★ COM 400: Communication in Professions (HU & C) OR COM 451: Communication and Work Relationships	3	C	
MGT 300: Organization and Management Leadership	3	C	
Literacy and Critical Inquiry (L)	3		
Upper Division General Education Elective	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 430: Leadership in Group Communication	3	C	• Note: COM 430 pre-requisites include minimum 2.5 ASU cumulative GPA
LES 305: Business Law and Ethics for Managers	3	C	
MKT 300: Marketing and Business Performance	3	C	

Upper Division General Education Elective	3
Upper Division Elective	3
Term hours subtotal:	15

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 453: Communication Training and Development	3	C	Note: COM 453 pre-requisites include minimum 2.5 ASU cumulative GPA
Upper Division International Business Elective AND Global Awareness (G)	3	C	
Complete 2 courses: Upper Division Elective	5		
Elective	3		
Term hours subtotal:	14		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
 - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

General Education Electives

ARB 101: Elementary Arabic I
ARB 102: Elementary Arabic II
BIO 300: Natural History of Arizona (SG)
BIO 320: Fundamentals of Ecology
CHI 101: First-Year Chinese I (G)
CHI 102: First-Year Chinese II (G)
CHI 205: Chinese Calligraphy
COM 207: Introduction to Communication Inquiry
COM 259: Communication in Business and the Professions
COM 281: Communication Activities
COM 310: Relational Communication
COM 312: Communication, Conflict, and Negotiation
COM 317: Nonverbal Communication
COM 341: Social Contexts for Performance
COM 414: Crisis Communication
COM 422: Advanced Argumentation (L)
COM 430: Leadership in Group Communication
COM 453: Communication Training and Development

COM 465: Intercultural Communication
Workshop

ENG 210: Introduction to Creative
Writing

ENG 213: Introduction to the Study of
Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew
(G)

HEB 102: Elementary Modern Hebrew
(G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and
Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and
Conversation

ROM 314: Romanian Composition and
Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and
Composition for Bilinguals

SPA 316: Spanish Conversation and Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU) & G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or HU) & H)

SPA 454: 19th-Century Spanish American Narrative

SPA 456: 20th-Century Spanish American Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Upper Division International Business Elective AND Global Awareness

ECN 306: Survey of International Economics (SB & G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Business (Communication), BA**

W. P. Carey School of Business

Online

BABUSCBA

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. W. P. Carey students take WPC 101 to fulfill this requirement. • Minimum 2.5 ASU cumulative GPA will be required in Terms 6A, 7B and 8A in order to register for COM 312, COM 430 and COM 453.
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Term hours subtotal:	7		

Term 1 - B 8 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Elective	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	9		

Term 2 - A 17 - 23 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 2 - B 24 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C
SOC course (SB)	3	
Humanities, Arts and Design (HU)	3	
⚠ Minimum 2.00 GPA ASU Cumulative.		
⚠ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
Term hours subtotal:	9	

Term 3 - A 33 - 38 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 231: Uses of Accounting Information I	3	C	
⚠ ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
Term hours subtotal:	6		

Term 3 - B 39 - 47 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ECN 221: Business Statistics (CS)	3	C	
⚠ COM 100: Introduction to Human Communication (SB)	3	C	
PSY course (SB)	3		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		

Term 4 - A 48 - 56 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	9		

Term 4 - B 57 - 63 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ COM 230: Small Group Communication (SB)	3	C	
Natural Science - Quantitative (SQ)	4		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	7		

Term 5 - A 64 - 70 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MKT 300: Marketing and Business Performance	3	C	
WPC 301: Business Forum	1	C	
COM 259: Communication in Business and the Professions	3	C	
Term hours subtotal:	7		

Term 5 - B 71 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 300: Global Supply Operations	3	C	
★ LES 305: Business Law and Ethics for Managers	3	C	
ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L)	3		
Term hours subtotal:	9		
Term 6 - A 80 - 85 Credit Hours	Hours	Minimum Grade	Notes
COM 312: Communication, Conflict, and Negotiation	3	C	• COM 312 pre-requisites include minimum 2.5 ASU cumulative GPA
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		
Term 6 - B 86 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 300: Organization and Management Leadership	3	C	
★ Upper Division International Business Course AND Global Awareness (G)	3	C	
COM 400: Communication in Professions (HU & C)	3	C	
Term hours subtotal:	9		
Term 7 - A 95 - 100 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FIN 300: Fundamentals of Finance	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		
Term 7 - B 101 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 430: Leadership in Group Communication	3	C	• COM 430 pre-requisites include minimum 2.5 ASU cumulative GPA
Upper Division General Education Elective	3		
Term hours subtotal:	6		
Term 8 - A 107 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 453: Communication Training and Development	3	C	• COM 453 pre-requisites include minimum 2.5 ASU cumulative GPA
Historical Awareness (H)	3		
Upper Division Elective	2		
Term hours subtotal:	8		
Term 8 - B 115 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division General Education Elective	3		
Upper Division Elective	3		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
 - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

International Business Course Options;
Select 1 course (3 credit hours)

ECN 306: Survey of International
Economics (SB & G)

MGT 302: Principles of International
Business (G)

MKT 425: Global Marketing Management
(G)

SCM 463: Global Supply Chain
Management (G)

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to
Communication Inquiry

COM 259: Communication in Business
and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and
Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for
Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group
Communication

COM 453: Communication Training and
Development

COM 465: Intercultural Communication
Workshop

ENG 210: Introduction to Creative
Writing

ENG 213: Introduction to the Study of
Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew
(G)

HEB 102: Elementary Modern Hebrew
(G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and
Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and
Conversation

ROM 314: Romanian Composition and
Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and
Composition for Bilinguals

SPA 316: Spanish Conversation and
Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU) & G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or HU) & H)

SPA 454: 19th-Century Spanish American Narrative

SPA 456: 20th-Century Spanish American Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Business (Food Industry Management), BA

W. P. Carey School of Business
BABUSFIMBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AGB 100: Introduction to Agribusiness	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
 CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC course (SB)	3		
Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	

COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3
PSY course (SB)	3
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
⚠ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 48 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	
⚠ ECN 221: Business Statistics (CS)	3	C	
WPC 301: Business Forum	1	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FIN 300: Fundamentals of Finance	3	C	
★ MKT 300: Marketing and Business Performance	3	C	
AGB 302: International Management and Agribusiness (G)	3	C	
ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L) OR TWC 347: Written Communication for Managers (L)	3		
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AGB 420: Food Advertising and Promotion	3	C	
★ AGB 425: Food Supply Networks	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
MGT 300: Organization and Management Leadership	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AGB 435: Commodity Futures and Options Markets	3	C	
★ AGB 456: Food Product Innovation and Development	3	C	
SCM 300: Global Supply Operations	3	C	

Literacy and Critical Inquiry (L)	3
General Education Elective	3
Term hours subtotal:	15

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AGB 445: Food Retailing	3	C	
★ AGB 481: Microeconomic Analysis of Food Markets	3	C	
Complete 2 courses: Upper Division Elective	5		
Elective	3		
Term hours subtotal:	14		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
 - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- Cannot share Upper Division International Business Elective with concentration course requirements.

General Education Electives

ARB 101: Elementary Arabic I
ARB 102: Elementary Arabic II
BIO 300: Natural History of Arizona (SG)
BIO 320: Fundamentals of Ecology
CHI 101: First-Year Chinese I (G)
CHI 102: First-Year Chinese II (G)
CHI 205: Chinese Calligraphy
COM 207: Introduction to Communication Inquiry
COM 259: Communication in Business and the Professions
COM 281: Communication Activities
COM 310: Relational Communication
COM 312: Communication, Conflict, and Negotiation
COM 317: Nonverbal Communication
COM 341: Social Contexts for Performance
COM 414: Crisis Communication
COM 422: Advanced Argumentation (L)
COM 430: Leadership in Group Communication

COM 453: Communication Training and Development

COM 465: Intercultural Communication Workshop

ENG 210: Introduction to Creative Writing

ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew (G)

HEB 102: Elementary Modern Hebrew (G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and
Conversation

ROM 314: Romanian Composition and
Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

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SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and Composition for Bilinguals

SPA 316: Spanish Conversation and Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU) & G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or HU) & H)

SPA 454: 19th-Century Spanish American Narrative

SPA 456: 20th-Century Spanish American Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Business (Food Industry Management),
BA**

W. P. Carey School of Business
Online
BABUSFIMBA

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific First Year Seminar is required for all freshman students. W. P. Carey students take WPC 101 to fulfill this requirement.
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Term hours subtotal:	7		

Term 1 - B 8 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		

Term 2 - A 14 - 20 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 2 - B 21 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
COM 100: Introduction to Human Communication (SB) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
SOC course (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			

Term hours subtotal: 9

Term 3 - A 30 - 35 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
Term hours subtotal:	6		

Term 3 - B 36 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 221: Business Statistics (CS)	3	C	
Historical Awareness (H)	3		
PSY course (SB)	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		

Term 4 - A 45 - 53 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
Literacy and Critical Inquiry (L)	3		
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	9		

Term 4 - B 54 - 60 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 5 - A 61 - 67 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MKT 300: Marketing and Business Performance	3	C	
WPC 301: Business Forum	1	C	
Elective	3		
Term hours subtotal:	7		

Term 5 - B 68 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 LES 305: Business Law and Ethics for Managers	3	C	
 SCM 300: Global Supply Operations	3	C	
ENG 301: Writing for the Professions (L) OR TWC 347: Written Communication for Managers (L)	3		
Term hours subtotal:	9		

Minimum

Term 6 - A 77 - 85 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ AGB 420: Food Advertising and Promotion	3	C	
Upper Division Elective	3		
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	9		

Term 6 - B 86 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 300: Organization and Management Leadership	3	C	
★ Upper Division International Business Course AND Global Awareness (G)	3	C	
Term hours subtotal:	6		

Term 7 - A 92 - 100 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AGB 435: Commodity Futures and Options Markets	3	C	
★ FIN 300: Fundamentals of Finance	3	C	
Upper Division Elective	3		
Term hours subtotal:	9		

Term 7 - B 101 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AGB 425: Food Supply Networks	3	C	
★ AGB 456: Food Product Innovation and Development	3	C	
Term hours subtotal:	6		

Term 8 - A 107 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AGB 445: Food Retailing	3	C	
★ Upper Division Elective	2		
Term hours subtotal:	5		

Term 8 - B 112 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AGB 481: Microeconomic Analysis of Food Markets	3	C	
Elective	6		
Term hours subtotal:	9		

International Business Course Options;
Select 1 course (3 credit hours)

MGT 302: Principles of International
Business (G)

MKT 425: Global Marketing Management
(G)

SCM 463: Global Supply Chain
Management (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Business (Global Agribusiness), BA

W. P. Carey School of Business

Polytechnic campus
BABUSGAGBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AGB 100: Introduction to Agribusiness	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
 CIS 105: Computer Applications and Information Technology (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC course (SB)	3		
Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
BIO 100: The Living World (SQ)	4	C	
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR			

COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3
PSY course (SB)	3
⚠ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 48 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	
⚠ ECN 221: Business Statistics (CS)	3	C	
WPC 301: Business Forum	1	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AGB 366: Agribusiness Production Technologies OR AGB 410: Agribusiness Management	3	C	
★ FIN 300: Fundamentals of Finance	3	C	
★ MKT 300: Marketing and Business Performance	3	C	
ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L) OR TWC 347: Written Communication for Managers (L)	3		
General Education Elective	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AGB 321: Agribusiness Marketing	3	C	
★ MGT 300: Organization and Management Leadership	3	C	
★ SCM 300: Global Supply Operations	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AGB 434: Agricultural Risk Management and Insurance OR AGB 333: Agribusiness Finance	3	C	
★ AGB 435: Commodity Futures and Options Markets	3	C	
LES 305: Business Law and Ethics for Managers	3	C	

Upper Division General Education Elective	3
Upper Division Elective	3
Term hours subtotal:	15

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AGB 414: Agribusiness Analysis (L)	3	C	
AGB Upper Division Elective	3	C	
Upper Division Elective	2		
Complete 2 courses: Elective	6		
Term hours subtotal:	14		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
 - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- Cannot share Upper Division International Business Elective with concentration course requirements.

Upper Division International Business Elective

AGB 302: International Management and Agribusiness (G)

ECN 306: Survey of International Economics (SB & G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group Communication

COM 453: Communication Training and Development

COM 465: Intercultural Communication Workshop

ENG 210: Introduction to Creative Writing

ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew (G)

HEB 102: Elementary Modern Hebrew (G)

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ITA 420: Italian Cinema

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JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

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General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

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Topology

MAT 415: Introduction to Combinatorics

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Equations

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MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

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Conversation

ROM 314: Romanian Composition and
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RUS 101: Elementary Russian

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SPA 316: Spanish Conversation and
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SPA 429: Mexican Literature ((L or HU)
& G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or
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SPA 454: 19th-Century Spanish American
Narrative

SPA 456: 20th-Century Spanish American
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SPA 486: Mexican American Novel

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THA 101: Elementary Thai I

THA 102: Elementary Thai II

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Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Business (Global Leadership), BA**

W. P. Carey School of Business
BABUSGBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
MAT 210: Brief Calculus (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC course (SB)	3		
General Education Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		

PSY course (SB)	3
Natural Science - Quantitative (SQ)	4
⚠ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 48 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	
⚠ ECN 221: Business Statistics (CS)	3	C	
WPC 301: Business Forum	1	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 300: Organization and Management Leadership	3	C	
ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L)	3		
FIN 300: Fundamentals of Finance	3	C	
POS 486: International Political Economy (SB & G) OR POS 350: Comparative Politics (SB & G)	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 400: Cross-Cultural Management (C & G)	3	C	
SCM 300: Global Supply Operations	3	C	
Upper Division Global Leadership or Latin American Studies Track Course	3	C	
Upper Division General Education Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 7 92 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 411: Leading Organizations	3	C	
MKT 300: Marketing and Business Performance	3	C	
Upper Division Global Leadership or Latin American Studies Track Course	3	C	
Upper Division General Education Elective	3		
Upper Division Elective	2		

Term hours subtotal: 14

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 430: Negotiations OR SCM 463: Global Supply Chain Management (G)	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:		15	

- For Upper Division Global Leadership or Latin American Studies Track Course, take two courses from the same track group.
- Cannot share Upper Division International Business Elective with concentration course requirements.
- - W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
 - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Latin American Studies Track

HST 443: The United States and Latin America (SB & G & H)

HST 447: Modern Mexico (SB & H)

POS 454: Mexico (SB & G)

POS 456: Latin American Cities (SB & G)

SPA 394: Spanish for Business

SPA 494: Dictatorships/Dirty Wars:Lat Am Cinema

SPA 494: Treaties/Cultural Prod of Latin Am, Spain/US

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group Communication

COM 453: Communication Training and Development

COM 465: Intercultural Communication Workshop

ENG 210: Introduction to Creative Writing

ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew (G)

HEB 102: Elementary Modern Hebrew (G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and
Conversation

ROM 314: Romanian Composition and
Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and
Composition for Bilinguals

SPA 316: Spanish Conversation and
Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU)
& G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or
HU) & H)

SPA 454: 19th-Century Spanish American
Narrative

SPA 456: 20th-Century Spanish American
Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Upper Division International Business
Elective

ECN 306: Survey of International
Economics (SB & G)

MGT 302: Principles of International
Business (G)

MKT 425: Global Marketing Management
(G)

SCM 463: Global Supply Chain
Management (G)

Global Leadership Track

HST 454: History of Genocide (G & H)

IAP 307: Art and War (HU & G)

POS 350: Comparative Politics (SB & G)

POS 360: Politics of the Middle East (SB
& G)

POS 480: Global Justice (G)

POS 486: International Political Economy
(SB & G)

REL 390: Women and Religion (HU & G)

SBS 480: Global Justice (G)

SOC 352: Social Change (SB & G & H)

SOC 445: Globalization, Development,
and Resistance (SB & G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Business (Global Leadership), BA**

W. P. Carey School of Business

Online

BABUSGBA

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. W. P. Carey students take WPC 101 to fulfill this requirement.
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Term hours subtotal:	7		

Term 1 - B 8 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		

Term 2 - A 14 - 20 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 2 - B 21 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
SOC course (SB)	3		

❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Term hours subtotal: 9

Term 3 - A 30 - 35 Credit Hours **Critical course signified by** ❗

Hours	Minimum Grade	Notes

❗ ACC 231: Uses of Accounting Information I

3	C

❗ ECN 211: Macroeconomic Principles (SB) OR
ECN 212: Microeconomic Principles (SB)

3	C

Term hours subtotal: 6

Term 3 - B 36 - 44 Credit Hours **Critical course signified by** ❗

Hours	Minimum Grade	Notes

❗ ECN 221: Business Statistics (CS)

3	C

PSY course (SB)

3

Historical Awareness (H)

3

Complete Mathematics (MA) requirement.

Term hours subtotal: 9

Term 4 - A 45 - 53 Credit Hours **Critical course signified by** ❗

Hours	Minimum Grade	Notes

❗ ACC 241: Uses of Accounting Information II

3	C

Literacy and Critical Inquiry (L)

3

Elective

3

Term hours subtotal: 9

Term 4 - B 54 - 60 Credit Hours

Hours	Minimum Grade	Notes

Humanities, Arts and Design (HU)

3

Natural Science - Quantitative (SQ) OR
Natural Science - General (SG)

4

Term hours subtotal: 7

Term 5 - A 61 - 67 Credit Hours **Necessary course signified by** ★

Hours	Minimum Grade	Notes

★ MKT 300: Marketing and Business Performance

3	C

POS 486: International Political Economy (SB & G) OR
POS 350: Comparative Politics (SB & G)

3	C

WPC 301: Business Forum

1	C

Term hours subtotal: 7

Term 5 - B 68 - 76 Credit Hours **Necessary course signified by** ★

Hours	Minimum Grade	Notes

★ LES 305: Business Law and Ethics for Managers

3	C

★ SCM 300: Global Supply Operations

3	C

ENG 302: Business Writing (L) OR
ENG 301: Writing for the Professions (L)

3

Term hours subtotal: 9

Term 6 - A 77 - 82 Credit Hours	Hours	Minimum Grade	Notes
Upper Division General Education Elective	3		For Upper Division Global Leadership or Latin American Studies Track Course, take two courses from the same track group.
Upper Division Global Leadership Track Course OR Upper Division Latin American Studies Track Course	3	C	
Term hours subtotal:	6		
Term 6 - B 83 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 300: Organization and Management Leadership	3	C	
★ Upper Division International Business Course AND Global Awareness (G)	3	C	
General Education Elective	3		
Term hours subtotal:	9		
Term 7 - A 92 - 100 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FIN 300: Fundamentals of Finance	3	C	
MGT 400: Cross-Cultural Management (C & G)	3	C	
Elective	3		
Term hours subtotal:	9		
Term 7 - B 101 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 411: Leading Organizations	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		
Term 8 - A 107 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 430: Negotiations OR SCM 463: Global Supply Chain Management (G)	3	C	
Upper Division Elective	2		
Elective	3		
Term hours subtotal:	8		
Term 8 - B 115 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Global Leadership Track Course OR Upper Division Latin American Studies Track Course	3	C	For Upper Division Global Leadership or Latin American Studies Track Course, take two courses from the same track group.
Upper Division General Education Elective	3		
Term hours subtotal:	6		

- For Upper Division Global Leadership or Latin American Studies Track Course, take two courses from the same track group.
- Cannot share Upper Division International Business Elective with concentration course requirements.
- - W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
 - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Global Leadership Track

HST 454: History of Genocide (G & H)

IAP 307: Art and War (HU & G)

POS 350: Comparative Politics (SB & G)

POS 360: Politics of the Middle East (SB & G)

POS 480: Global Justice (G)

POS 486: International Political Economy (SB & G)

REL 390: Women and Religion (HU & G)

SBS 480: Global Justice (G)

SOC 352: Social Change (SB & G & H)

SOC 445: Globalization, Development, and Resistance (SB & G)

Latin American Studies Track

HST 443: The United States and Latin America (SB & G & H)

HST 447: Modern Mexico (SB & H)

POS 454: Mexico (SB & G)

POS 456: Latin American Cities (SB & G)

SPA 394: Spanish for Business

LAS 481: Dictatorships and Dirty Wars: Latin American Cinema from Resistance to Reconciliation

SPA 494: Treaties/Cultural Prod of Latin Am, Spain/US

International Business Course Options; Select 1 course (3 credit hours)

ECN 306: Survey of International Economics (SB & G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to
Communication Inquiry

COM 259: Communication in Business
and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and
Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for
Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group
Communication

COM 453: Communication Training and
Development

COM 465: Intercultural Communication
Workshop

ENG 210: Introduction to Creative
Writing

ENG 213: Introduction to the Study of
Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew
(G)

HEB 102: Elementary Modern Hebrew
(G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and
Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and Conversation

ROM 314: Romanian Composition and Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and Composition for Bilinguals

SPA 316: Spanish Conversation and Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU) & G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or HU) & H)

SPA 454: 19th-Century Spanish American Narrative

SPA 456: 20th-Century Spanish American Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Notes:

- - Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
 - Transfer UD Business Course Hours: 9 Hours Maximum.
 - Community College Business Hours: 30 Hours Maximum.
 - Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
**Hrs Resident Credit for
Academic Recognition:** 56 minimum
Total Community College Hrs: 64
maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative
Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

- Historical Awareness (H)
- First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Business (Global Logistics Management), BA

W. P. Carey School of Business
BABUSGLBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC course (SB)	3		
Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		

PSY course (SB)	3
Natural Science - Quantitative (SQ)	4
⚠ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 48 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	
⚠ ECN 221: Business Statistics (CS)	3	C	
WPC 301: Business Forum	1	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 300: Organization and Management Leadership	3	C	
★ SCM 300: Global Supply Operations	3	C	
ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L)	3		
Upper Division Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 314: Analytics for Logistics	3	C	
★ SCM 344: Applied Logistics Management	3	C	
MKT 300: Marketing and Business Performance	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
Elective	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 354: Procurement of Services	3	C	
★ SCM 385: Business & Sustainability I	3	C	
FIN 300: Fundamentals of Finance	3	C	
Upper Division General Education Elective	3		
Elective	3		

Term hours subtotal: 15

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 411: Leading Organizations	3	C	
★ SCM 445: Advanced Logistics Management	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division General Education Elective	3		
Upper Division Elective	2		
Term hours subtotal:	14		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
- Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- Cannot share Upper Division International Business Elective with concentration course requirements.

Upper Division International Business Elective

ECN 306: Survey of International Economics (SB & G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for
Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group
Communication

COM 453: Communication Training and
Development

COM 465: Intercultural Communication
Workshop

ENG 210: Introduction to Creative
Writing

ENG 213: Introduction to the Study of
Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew
(G)

HEB 102: Elementary Modern Hebrew
(G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and
Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and
Conversation

ROM 314: Romanian Composition and
Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and
Composition for Bilinguals

SPA 316: Spanish Conversation and
Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU)
& G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or
HU) & H)

SPA 454: 19th-Century Spanish American
Narrative

SPA 456: 20th-Century Spanish American
Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Business (Global Logistics Management), BA**

W. P. Carey School of Business
Online
BABUSGLBA

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Mathematics Placement Test score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Term hours subtotal:	7		

Term 1 - B 8 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		

Term 2 - A 14 - 20 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 2 - B 21 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
SOC course (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	9		

Term 3 - A	30 - 35 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	ACC 231: Uses of Accounting Information I		3	C	
	ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)		3	C	
Term hours subtotal:			6		
Term 3 - B	36 - 44 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	ECN 221: Business Statistics (CS)		3	C	
	PSY course (SB)		3		
	Humanities, Arts and Design (HU)		3		
	Complete Mathematics (MA) requirement.				
Term hours subtotal:			9		
Term 4 - A	45 - 53 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	ACC 241: Uses of Accounting Information II		3	C	
	Literacy and Critical Inquiry (L)		3		
	Historical Awareness (H)		3		
Term hours subtotal:			9		
Term 4 - B	54 - 60 Credit Hours		Hours	Minimum Grade	Notes
	Natural Science - Quantitative (SQ)		4		
	Cultural Diversity in the U.S. (C)		3		
Term hours subtotal:			7		
Term 5 - A	61 - 67 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes
	MKT 300: Marketing and Business Performance		3	C	
	WPC 301: Business Forum		1	C	
	Elective		3		
Term hours subtotal:			7		
Term 5 - B	68 - 76 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes
	SCM 300: Global Supply Operations		3	C	
	LES 305: Business Law and Ethics for Managers		3	C	
	ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L)		3		
Term hours subtotal:			9		
Term 6 - A	77 - 82 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes

★ SCM 314: Analytics for Logistics	3	C
★ SCM 344: Applied Logistics Management	3	C
Term hours subtotal:	6	

Term 6 - B 83 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 300: Organization and Management Leadership	3	C	
★ Upper Division International Business Course AND Global Awareness (G)	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	9		

Term 7 - A 92 - 97 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 385: Business & Sustainability I	3	C	
★ FIN 300: Fundamentals of Finance	3	C	
Term hours subtotal:	6		

Term 7 - B 98 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 411: Leading Organizations	3	C	
SCM 354: Procurement of Services	3	C	
Elective	3		
Term hours subtotal:	9		

Term 8 - A 107 - 115 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 445: Advanced Logistics Management	3	C	
Upper Division General Education Elective	3		
Elective	3		
Term hours subtotal:	9		

Term 8 - B 116 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division General Education Elective	3		
Upper Division Elective	2		
Term hours subtotal:	5		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
- Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

- Cannot share Upper Division International Business Elective with concentration course requirements.

International Business Course Options;
Select 1 course (3 credit hours)

ECN 306: Survey of International
Economics (SB & G)

MGT 302: Principles of International
Business (G)

MKT 425: Global Marketing Management
(G)

SCM 463: Global Supply Chain
Management (G)

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to
Communication Inquiry

COM 259: Communication in Business
and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and
Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for
Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group
Communication

COM 453: Communication Training and
Development

COM 465: Intercultural Communication
Workshop

ENG 210: Introduction to Creative
Writing

ENG 213: Introduction to the Study of
Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew
(G)

HEB 102: Elementary Modern Hebrew
(G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and
Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and
Conversation

ROM 314: Romanian Composition and
Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and
Composition for Bilinguals

SPA 316: Spanish Conversation and
Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU)
& G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or
HU) & H)

SPA 454: 19th-Century Spanish American
Narrative

SPA 456: 20th-Century Spanish American
Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Business (Global Politics), BA**

W. P. Carey School of Business
Tempe campus
BABUSGPBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC course (SB)	3		
Literacy and Critical Inquiry (L)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 Global Politics Concentration course	3	C	

COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3
Natural Science - Quantitative (SQ)	4
⚠ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 48 - 60 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	
⚠ ECN 221: Business Statistics (CS)	3	C	
⚠ Global Politics Concentration course	3	C	
WPC 301: Business Forum	1	C	
PSY course (SB)	3		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Politics Concentration course	3	C	
ENG 301: Writing for the Professions (L) OR ENG 302: Business Writing (L)	3		
FIN 300: Fundamentals of Finance	3	C	
MGT 300: Organization and Management Leadership	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Politics Concentration course	3	C	
SCM 300: Global Supply Operations	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Politics Concentration course	3	C	
MKT 300: Marketing and Business Performance	3	C	
Upper Division General Education Elective	3		
Complete 2 courses: Upper Division Elective	6		

Term hours subtotal: 15

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Politics Concentration course	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division General Education Elective	3		
Upper Division Elective	2		
Elective	3		
Term hours subtotal:	14		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
- Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- Global Politics Concentration Courses: **Two courses required from each group.**

Global Politics Concentration (Global Issues and Problems)

POS 351: Democratization (SB & G)

POS 361: American Foreign Policy (SB & G)

POS 364: National Security, Intelligence, and Terrorism (SB)

POS 368: Ethics and Human Rights

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to Communication Inquiry

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COM 341: Social Contexts for
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COM 422: Advanced Argumentation (L)

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FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

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GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

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HEB 101: Elementary Modern Hebrew
(G)

HEB 102: Elementary Modern Hebrew
(G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and
Values/Premod

IDN 101: Elementary Indonesian I

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ITA 101: Elementary Italian I (G)

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ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

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Japanese

KOR 101: First-Year Korean I

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General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

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Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

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Equations

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Conversation

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SPA 315: Spanish Conversation and
Composition for Bilinguals

SPA 316: Spanish Conversation and
Composition for Bilinguals

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& G)

SPA 434: Drama of the Golden Age

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HU) & H)

SPA 454: 19th-Century Spanish American
Narrative

SPA 456: 20th-Century Spanish American
Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Global Politics Concentration (World
Politics)

POS 160: Global Politics (SB & G)

POS 300: Contemporary Global
Controversies (SB & G)

POS 360: World Politics (SB & G)

POS 486: International Political Economy
(SB & G)

Global Politics Concentration
(Comparative Politics)

POS 150: Comparative Government (SB
& G)

POS 350: Comparative Politics (SB & G)

POS 356: European Union (SB & G)

POS 453: South America (SB & G)

POS 454: Mexico (SB & G)

Upper Division International Business
Elective

ECN 306: Survey of International
Economics (SB & G)

MGT 302: Principles of International
Business (G)

MKT 425: Global Marketing Management
(G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Business (Human Resources), BA**

W. P. Carey School of Business

Polytechnic campus
BABUSHRBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC course (SB)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 33 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
 Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	13

Term 4 46 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
 ECN 221: Business Statistics (CS)	3	C	
WPC 301: Business Forum	1	C	
PSY course (SB)	3		
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 62 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MGT 300: Organization and Management Leadership	3	C	
FIN 300: Fundamentals of Finance	3	C	
SCM 300: Global Supply Operations	3	C	
ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L)	3		
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MGT 420: Human Resource Management	3	C	
MKT 300: Marketing and Business Performance	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
General Education Elective	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MGT 421: Compensation in Organizations	3	C	
 MGT 422: Staffing	3	C	
 MGT 423: Training and Development in Organizations	3	C	
General Education Elective	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 424: Employment Law	3	C	
★ MGT 425: Global Human Resources	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
Upper Division Elective	2		
Elective	3		
Term hours subtotal:	14		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
 - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Upper Division International Business Elective

ECN 306: Survey of International Economics (SB & G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for
Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group
Communication

COM 453: Communication Training and
Development

COM 465: Intercultural Communication
Workshop

ENG 210: Introduction to Creative
Writing

ENG 213: Introduction to the Study of
Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew
(G)

HEB 102: Elementary Modern Hebrew
(G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and
Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and
Conversation

ROM 314: Romanian Composition and
Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and
Composition for Bilinguals

SPA 316: Spanish Conversation and
Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU)
& G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or
HU) & H)

SPA 454: 19th-Century Spanish American
Narrative

SPA 456: 20th-Century Spanish American
Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Business (Law), BA**

W. P. Carey School of Business

Tempe campus
BABUSLBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC course (SB)	3		
Literacy and Critical Inquiry (L)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 LAW 210: Law, Culture and Community	3	C	

COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3
Natural Science - Quantitative (SQ)	4
⚠ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 48 - 60 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	
⚠ ECN 221: Business Statistics (CS)	3	C	
⚠ Legal Studies Concentration Elective	3	C	
WPC 301: Business Forum	1	C	
PSY course (SB)	3		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Legal Studies Concentration Elective	3	C	
ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L)	3		
FIN 300: Fundamentals of Finance	3	C	
MGT 300: Organization and Management Leadership	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Legal Studies Concentration Elective	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
SCM 300: Global Supply Operations	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 7 92 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Legal Studies Concentration Elective	3	C	
MKT 300: Marketing and Business Performance	3	C	
Upper Division General Education Elective	3		
Complete 2 courses: Upper Division Elective	5		

Term hours subtotal: 14

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LAW 480: Business, Law and Society	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
Upper Division General Education Elective	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
- Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- Students select 12 hours (maximum 3 hours of 100-200 level credit) from the Legal Studies Concentration Electives list.

Legal Studies Concentration Electives

COM 222: Argumentation (L)

COM 326: Court Room Oratory

ENG 216: Persuasive Writing on Public Issues (L)

ENG 472: Rhetorical Studies (L)

HST 322: Constitutional History of the United States Since 1865 (SB & H)

JUS 200: Topics in Concepts and Issues of Justice (SB)

JUS 303: Justice Theory

JUS 385: Justice and Everyday Life (SB)

LAW 316: Introduction to Corporate Tax Law and Policy

LAW 310: The Global Legal Community

LAW 322: Consumer Protection Law

LES 306: Business Law

LES 411: Real Estate Law

PHI 306: Applied Ethics (HU)

PHI 307: Philosophy of Law (HU)

POS 313: The Congress (SB)

POS 315: The Supreme Court (SB)

POS 471: Constitutional Law I (SB)

POS 472: Constitutional Law II (SB)

TWC 451: Copyright and Intellectual
Property in the Electronic Age

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to
Communication Inquiry

COM 259: Communication in Business
and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and
Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for
Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group
Communication

COM 453: Communication Training and
Development

COM 465: Intercultural Communication
Workshop

ENG 210: Introduction to Creative
Writing

ENG 213: Introduction to the Study of
Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew (G)

HEB 102: Elementary Modern Hebrew (G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and Conversation

ROM 314: Romanian Composition and Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and Composition for Bilinguals

SPA 316: Spanish Conversation and Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU) & G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or HU) & H)

SPA 454: 19th-Century Spanish American Narrative

SPA 456: 20th-Century Spanish American Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Upper Division International Business Elective

ECN 306: Survey of International Economics (SB & G)

MGT 302: Principles of International
Business (G)

MKT 425: Global Marketing Management
(G)

SCM 463: Global Supply Chain
Management (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Business (Public Service and Public Policy), BA

W. P. Carey School of Business

Tempe campus
BABUSPBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC course (SB)	3		
Literacy and Critical Inquiry (L)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 PAF 200: Public Service and Policy in the 21st Century	3	C	

COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3
Natural Science - Quantitative (SQ)	4
⚠ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 48 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	
⚠ ECN 221: Business Statistics (CS)	3	C	
WPC 301: Business Forum	1	C	
PSY course (SB)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 300: Public Management and Administration	3	C	
ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L)	3		
FIN 300: Fundamentals of Finance	3	C	
MGT 300: Organization and Management Leadership	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 340: Contemporary Policy Challenges	3	C	
SCM 300: Global Supply Operations	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Complete 2 courses: General Education Elective	6		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 311: Leadership and Change (SB)	3	C	
★ Upper Division PSPP Concentration Course	3	C	
MKT 300: Marketing and Business Performance	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division PSPP Concentration Course	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	2		
Term hours subtotal:	14		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
 - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

PSPP Concentration Courses

PAF 302: Public Service Research Methods

PAF 410: Building Leadership Skills (SB)

PAF 460: Public Service Ethics

PAF 470: Topics in Public Economics and Financial Management

PAF 471: Public Policy Analysis

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group Communication

COM 453: Communication Training and Development

COM 465: Intercultural Communication Workshop

ENG 210: Introduction to Creative Writing

ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew (G)

HEB 102: Elementary Modern Hebrew (G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and Conversation

ROM 314: Romanian Composition and Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and
Composition for Bilinguals

SPA 316: Spanish Conversation and
Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU)
& G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or
HU) & H)

SPA 454: 19th-Century Spanish American
Narrative

SPA 456: 20th-Century Spanish American
Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Upper Division International Business
Elective

ECN 306: Survey of International
Economics (SB & G)

MGT 302: Principles of International
Business (G)

MKT 425: Global Marketing Management
(G)

SCM 463: Global Supply Chain
Management (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Business (Sports and Media Studies), BA

W. P. Carey School of Business
Polytechnic campus
BABUSMSBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC course (SB)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 33 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
⚠ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	13

Term 4 46 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	
⚠ ECN 221: Business Statistics (CS)	3	C	
WPC 301: Business Forum	1	C	
PSY course (SB)	3		
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MKT 300: Marketing and Business Performance	3	C	
ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L)	3		
FIN 300: Fundamentals of Finance	3	C	
MGT 300: Organization and Management Leadership	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MKT 311: Sports Administration	3	C	
★ MKT 421: Fan Behavior and Sports Communication	3	C	
SCM 300: Global Supply Operations	3	C	
General Education Elective	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 92 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MCO 465: Sports and Media	3	C	
★ MKT 431: Sports Facility Operations	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division General Education Elective	3		
Upper Division Elective	2		
Term hours subtotal:	14		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MCO 420: Strategic Sports Communication	3	C	
★ MKT 441: Sports Relationship Management	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
 - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Upper Division International Business Elective

ECN 306: Survey of International Economics (SB & G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group Communication

COM 453: Communication Training and Development

COM 465: Intercultural Communication Workshop

ENG 210: Introduction to Creative Writing

ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew (G)

HEB 102: Elementary Modern Hebrew (G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and Conversation

ROM 314: Romanian Composition and Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and
Composition for Bilinguals

SPA 316: Spanish Conversation and
Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU)
& G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or
HU) & H)

SPA 454: 19th-Century Spanish American
Narrative

SPA 456: 20th-Century Spanish American
Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Business (Statistics), BA**

W. P. Carey School of Business

West campus
BABUSTABA

Term 1 0 - 17 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 2 18 - 33 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC course (SB)	3		
Literacy and Critical Inquiry (L)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 34 - 49 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 STP 280: Probability and Statistics for Researchers	3	C	

COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3
Natural Science - Quantitative (SQ)	4
⚠ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 50 - 63 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	
⚠ STP 281: Statistical Analysis for Researchers	3	C	
MAT 272: Calculus with Analytic Geometry III (MA) or Elective	4		
WPC 301: Business Forum	1	C	
PSY course (SB)	3		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 64 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ STP 310: Design and Analysis of Experiments	3	C	
FIN 300: Fundamentals of Finance	3	C	
MGT 300: Organization and Management Leadership	3	C	
ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 80 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ STP 311: Regression and Time Series Analyses	3	C	
SCM 300: Global Supply Operations	3	C	
Upper Division Statistics Concentration Elective	3	C	
Upper Division General Education Elective	3		
Upper Division Elective	2		
Term hours subtotal:	14		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ STP 451: Quality Improvement	3	C	
MKT 300: Marketing and Business Performance	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
Upper Division Humanities, Arts and Design (HU)	3		

Term hours subtotal: 15

Term 8	109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	STP 485: Statistics Capstone	3	C	
	LES 305: Business Law and Ethics for Managers	3	C	
	<i>Complete 2 courses:</i> Upper Division Elective	6		
	Term hours subtotal:	12		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
- Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Upper Division Statistics Concentration Electives

STP 315: Statistical Computing

STP 450: Nonparametric Statistics

STP 452: Multivariate Statistics

STP 460: Categorical Data Analysis

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to
Communication InquiryCOM 259: Communication in Business
and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and
Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for
Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group
Communication

COM 453: Communication Training and
Development

COM 465: Intercultural Communication
Workshop

ENG 210: Introduction to Creative
Writing

ENG 213: Introduction to the Study of
Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew
(G)

HEB 102: Elementary Modern Hebrew
(G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and
Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and
Conversation

ROM 314: Romanian Composition and
Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and Composition for Bilinguals

SPA 316: Spanish Conversation and Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU) & G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or HU) & H)

SPA 454: 19th-Century Spanish American Narrative

SPA 456: 20th-Century Spanish American Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Upper Division International Business Elective

ECN 306: Survey of International Economics (SB & G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Business (Sustainability), BA**

W. P. Carey School of Business
BABUSSBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC course (SB)	3		
Literacy and Critical Inquiry (L)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 SOS 110: Sustainable World OR SOS 111: Sustainable Cities ((HU or SB) & G) or PUP 190: Sustainable Cities ((HU or SB) & G)	3	C	

COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3
Natural Science - Quantitative (SQ)	4
⚠ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 48 - 60 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	
⚠ ECN 221: Business Statistics (CS)	3	C	
⚠ SOS 110: Sustainable World OR SOS 111: Sustainable Cities ((HU or SB) & G) or PUP 190: Sustainable Cities ((HU or SB) & G)	3	C	
WPC 301: Business Forum	1	C	
PSY course (SB)	3		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Minimum 2.50 GPA in SOS 110 and (SOS 111 or PUP 190)			
Term hours subtotal:	13		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOS 325: The Economics of Sustainability	3	C	
★ SCM 300: Global Supply Operations	3	C	
ENG 301: Writing for the Professions (L) OR ENG 302: Business Writing (L)	3		
FIN 300: Fundamentals of Finance	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	16		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOS Upper Division Elective	3	C	
MGT 300: Organization and Management Leadership	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Upper Division General Education Elective	3		
Upper Division Elective	3		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 385: Business & Sustainability I	3	C	

MKT 300: Marketing and Business Performance	3	C
Upper Division International Business Elective AND Global Awareness (G)	3	C
Upper Division General Education Elective	3	
Upper Division Elective	3	
Maintain 2.50 GPA in Major Courses.		
Term hours subtotal:	15	

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 485: Business and Sustainability II	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	2		
Elective	3		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	14		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
 - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Upper Division International Business Elective
ECN 306: Survey of International Economics (SB & G)
MGT 302: Principles of International Business (G)
MKT 425: Global Marketing Management (G)
SCM 463: Global Supply Chain Management (G)
General Education Electives
ARB 101: Elementary Arabic I
ARB 102: Elementary Arabic II
BIO 300: Natural History of Arizona (SG)
BIO 320: Fundamentals of Ecology
CHI 101: First-Year Chinese I (G)
CHI 102: First-Year Chinese II (G)
CHI 205: Chinese Calligraphy
COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business
and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and
Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for
Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group
Communication

COM 453: Communication Training and
Development

COM 465: Intercultural Communication
Workshop

ENG 210: Introduction to Creative
Writing

ENG 213: Introduction to the Study of
Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew
(G)

HEB 102: Elementary Modern Hebrew
(G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and
Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and Conversation

ROM 314: Romanian Composition and Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and Composition for Bilinguals

SPA 316: Spanish Conversation and Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU) & G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or HU) & H)

SPA 454: 19th-Century Spanish American Narrative

SPA 456: 20th-Century Spanish American Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 51 minimum

Major GPA: 2.50 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Business (Sustainability), BA**

W. P. Carey School of Business

Online

BABUSSBA

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. W. P. Carey students take WPC 101 to fulfill this requirement.
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Term hours subtotal:	7		

Term 1 - B 8 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		

Term 2 - A 14 - 20 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 2 - B 21 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOS 110: Sustainable World OR SOS 111: Sustainable Cities ((HU or SB) & G) or PUP 190: Sustainable Cities ((HU or SB) & G)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	

COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).	
Term hours subtotal:	9

Term 3 - A 30 - 35 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
Term hours subtotal:	6		

Term 3 - B 36 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 221: Business Statistics (CS)	3	C	
 SOS 110: Sustainable World OR SOS 111: Sustainable Cities ((HU or SB) & G) or PUP 190: Sustainable Cities ((HU or SB) & G)	3	C	
Historical Awareness (H)	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		

Term 4 - A 45 - 53 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
Literacy and Critical Inquiry (L)	3		
SOC course (SB)	3		
Term hours subtotal:	9		

Term 4 - B 54 - 60 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		

Term 5 - A 61 - 67 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MKT 300: Marketing and Business Performance	3	C	
WPC 301: Business Forum	1	C	
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	7		

Term 5 - B 68 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SCM 300: Global Supply Operations	3	C	
 LES 305: Business Law and Ethics for Managers	3	C	

ENG 301: Writing for the Professions (L) OR ENG 302: Business Writing (L)	3

Term hours subtotal: 9

Term 6 - A 77 - 85 Credit Hours	Hours	Minimum Grade	Notes
SOS 325: The Economics of Sustainability	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
PSY course (SB)	3		
Term hours subtotal:	9		

Term 6 - B 86 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 300: Organization and Management Leadership	3	C	
★ Upper Division International Business Course AND Global Awareness (G)	3	C	
Term hours subtotal:	6		

Term 7 - A 92 - 100 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 385: Business & Sustainability I	3	C	
★ FIN 300: Fundamentals of Finance	3	C	
Upper Division Elective	3		
Term hours subtotal:	9		

Term 7 - B 101 - 106 Credit Hours	Hours	Minimum Grade	Notes
SOS Upper Division Elective	3	C	
Upper Division General Education Elective	3		
Term hours subtotal:	6		

Term 8 - A 107 - 112 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SCM 485: Business and Sustainability II	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 113 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division General Education Elective	3		
Upper Division Elective	2		
Elective	3		
Term hours subtotal:	8		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
- Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

International Business Course Options; Select 1 course (3 credit hours)

ECN 306: Survey of International
Economics (SB & G)

MGT 302: Principles of International
Business (G)

MKT 425: Global Marketing Management
(G)

SCM 463: Global Supply Chain
Management (G)

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to
Communication Inquiry

COM 259: Communication in Business
and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and
Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for
Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group
Communication

COM 453: Communication Training and
Development

COM 465: Intercultural Communication
Workshop

ENG 210: Introduction to Creative
Writing

ENG 213: Introduction to the Study of
Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew
(G)

HEB 102: Elementary Modern Hebrew
(G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and
Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

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MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and Conversation

ROM 314: Romanian Composition and Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and Composition for Bilinguals

SPA 316: Spanish Conversation and Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU) & G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or HU) & H)

SPA 454: 19th-Century Spanish American Narrative

SPA 456: 20th-Century Spanish American Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Business (Technology), BA

W. P. Carey School of Business

Polytechnic campus
BABUSTCBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC course (SB)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		

PSY course (SB)	3
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
⚠ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 49 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	
⚠ ECN 221: Business Statistics (CS)	3	C	
WPC 301: Business Forum	1	C	
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TEM 400: Technology Entrepreneurship	3	C	
★ Technology Focus Area course	3	C	
ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L)	3		
MGT 300: Organization and Management Leadership	3	C	
SCM 300: Global Supply Operations	3	C	
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TMC 470: Enterprise Planning and Implementation	3	C	
★ Technology Focus Area course	3	C	
FIN 300: Fundamentals of Finance	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Technology Focus Area Course	3	C	
MKT 300: Marketing and Business Performance	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
Complete 2 courses: Upper Division General Education Elective	6		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Technology Focus Area Course	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Complete 2 courses: Upper Division Elective	5		
Elective	3		
Term hours subtotal:	14		

- Choose one Focus Area (12 credit hours)
- - W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
 - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Technology Focus Area (Social Entrepreneurship)

TEM 230: Creativity and Business Innovation

TEM 450: Design for the Developing World

TEM 455: Global Impact Entrepreneurship

ALT 412: Village Energy Systems or
TEM 494: Sustainable Community Appraisal

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for
Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group
Communication

COM 453: Communication Training and
Development

COM 465: Intercultural Communication
Workshop

ENG 210: Introduction to Creative
Writing

ENG 213: Introduction to the Study of
Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew
(G)

HEB 102: Elementary Modern Hebrew
(G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and
Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and
Conversation

ROM 314: Romanian Composition and
Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and
Composition for Bilinguals

SPA 316: Spanish Conversation and
Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU)
& G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or
HU) & H)

SPA 454: 19th-Century Spanish American
Narrative

SPA 456: 20th-Century Spanish American
Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Technology Focus Area (Digital Media)

GIT 215: Introduction to Web Authoring

GIT 230: Digital Illustration in Publishing

GIT 303: Digital Publishing

GIT 334: Image Capture and
Manipulation

Upper Division International Business
Elective

ECN 306: Survey of International
Economics (SB & G)

MGT 302: Principles of International
Business (G)

MKT 425: Global Marketing Management
(G)

SCM 463: Global Supply Chain
Management (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

General University Requirements Legend

General Studies Awareness Requirements:

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Business (Tourism), BA**

W. P. Carey School of Business

Tempe campus
BABUSTBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC course (SB)	3		
Literacy and Critical Inquiry (L)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 TDM 205: Introduction to Travel and Tourism (G)	3	C	

COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3
Natural Science - Quantitative (SQ)	4
⚠ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 48 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	
⚠ ECN 221: Business Statistics (CS)	3	C	
WPC 301: Business Forum	1	C	
PSY course (SB)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ Tourism Concentration Elective	3	C	
ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L)	3		
FIN 300: Fundamentals of Finance	3	C	
MGT 300: Organization and Management Leadership	3	C	
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ Upper Division Tourism Concentration Elective	3	C	
SCM 300: Global Supply Operations	3	C	
Upper Division General Education Elective	3		
Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ Complete 2 courses: Upper Division Tourism Concentration Elective	6	C	
MKT 300: Marketing and Business Performance	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
Upper Division Elective	3		

Term hours subtotal: 15

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Tourism Concentration Elective	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division General Education Elective	3		
Upper Division Elective	2		
Elective	3		
Term hours subtotal:	14		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
- Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Tourism Concentration Electives

PRM 486: Special Events Management

TDM 225: Introduction to Resort and Hotel Management

TDM 345: Meeting and Convention Planning

TDM 350: Tourism Marketing

TDM 386: Convention Sales and Management

TDM 415: Tourism Transportation Systems

TDM 448: Heritage and Cultural Tourism

TDM 458: International Tourism (G)

TDM 480: Sustainable Tourism

TDM 484: Internship

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group Communication

COM 453: Communication Training and Development

COM 465: Intercultural Communication Workshop

ENG 210: Introduction to Creative Writing

ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew (G)

HEB 102: Elementary Modern Hebrew (G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and
Conversation

ROM 314: Romanian Composition and Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and Composition for Bilinguals

SPA 316: Spanish Conversation and Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU) & G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or HU) & H)

SPA 454: 19th-Century Spanish American Narrative

SPA 456: 20th-Century Spanish American Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Upper Division International Business Elective

ECN 306: Survey of International Economics (SB & G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

General University Requirements Legend

General Studies Awareness Requirements:

Upper Division Hours: 51 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Business (Urban Policy), BA**

W. P. Carey School of Business
Tempe campus
BABUSUBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC course (SB)	3		
Literacy and Critical Inquiry (L)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		

PSY course (SB)	3
Natural Science - Quantitative (SQ)	4
⚠ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 48 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ACC 241: Uses of Accounting Information II	3	C	
⚠ ECN 221: Business Statistics (CS)	3	C	
WPC 301: Business Forum	1	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ URB 300: Urban and Metropolitan Studies	3	C	
★ URB 305: Urban Governance	3	C	
FIN 300: Fundamentals of Finance	3	C	
ENG 302: Business Writing (L) OR ENG 301: Writing for the Professions (L)	3		
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 340: Contemporary Policy Challenges	3	C	
MGT 300: Organization and Management Leadership	3	C	
SCM 300: Global Supply Operations	3	C	
Upper Division General Education Elective	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 460: Public Service Ethics	3	C	
★ Urban Policy Concentration Elective	3	C	
MKT 300: Marketing and Business Performance	3	C	
Upper Division General Education Elective	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Urban Policy Concentration Elective	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
Upper Division Elective	2		
Elective	3		
Term hours subtotal:	14		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
 - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Urban Policy Concentration Electives

PAF 300: Public Management and Administration

PAF 420: Public Leadership

URB 220: Introduction to Urban America

URB 240: Urban Policy (C)

URB 301: Urban Research or PAF 302: Public Service Research Methods

URB 302: Urban Theory

URB 410: Building Leadership Skills (SB) or PAF 410: Building Leadership Skills (SB)

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group Communication

COM 453: Communication Training and Development

COM 465: Intercultural Communication Workshop

ENG 210: Introduction to Creative Writing

ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew (G)

HEB 102: Elementary Modern Hebrew (G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and
Conversation

ROM 314: Romanian Composition and
Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and
Composition for Bilinguals

SPA 316: Spanish Conversation and
Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU)
& G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or
HU) & H)

SPA 454: 19th-Century Spanish American
Narrative

SPA 456: 20th-Century Spanish American
Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Upper Division International Business
Elective

ECN 306: Survey of International
Economics (SB & G)

MGT 302: Principles of International
Business (G)

MKT 425: Global Marketing Management
(G)

SCM 463: Global Supply Chain
Management (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Business Data Analytics, BS**

W. P. Carey School of Business

Tempe campus
BABDABS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY course (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
 ECN 221: Business Statistics (CS)	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	

COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3
Natural Science - Quantitative (SQ)	4
Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 48 - 61 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
CIS 235: Introduction to Information Systems	3	C	
WPC 301: Business Forum	1	C	
SOC course (SB)	3		
Cultural Diversity in the U.S. (C)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
CIS 315: Introduction to Business Data Analytics	3	C	
CIS 355: Business Data Warehouses and Dimensional Modeling	3	C	
MKT 300: Marketing and Business Performance	3	C	
SCM 300: Global Supply Operations	3	C	
ENG 302: Business Writing (L)	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
CIS 375: Business Data Mining	3	C	
CIS 415: Big Data Analytics and Visualization in Business	3	C	
FIN 300: Fundamentals of Finance	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
MGT 300: Organization and Management Leadership	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
Complete 2 courses: Upper Division Data Analytics Recommended Electives OR Upper Division Elective	6		

General Education Elective

3

Term hours subtotal:

15

Term 8 107 - 120 Credit Hours **Necessary course signified by** ★

Hours

**Minimum
Grade**

Notes

★ CIS 450: Enterprise Analytics

3

C

★ WPC 480: W. P. Carey Capstone Course (L)

3

C

Upper Division General Education Elective

3

General Education Elective

3

Elective

2

Term hours subtotal:

14

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
- Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Data Analytics Recommended Electives

CIS 300: Web Design and Development

CIS 308: Advanced Excel in Business

CIS 340: Business Information System
Development I

CIS 345: Business Information System
Development II

CIS 365: Business Database Systems
Development

MKT 440: Digital Marketing in Practice

MKT 450: Social Media and Content
Marketing

SCM 315: Business Decision Models

SCM 345: Logistics Management

SCM 432: Planning and Control Systems
for Supply Chain Management

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to
Communication Inquiry

COM 259: Communication in Business
and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and
Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for
Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group
Communication

COM 453: Communication Training and
Development

COM 465: Intercultural Communication
Workshop

ENG 210: Introduction to Creative
Writing

ENG 213: Introduction to the Study of
Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew
(G)

HEB 102: Elementary Modern Hebrew
(G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and
Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and Conversation

ROM 314: Romanian Composition and Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and Composition for Bilinguals

SPA 316: Spanish Conversation and Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU) & G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or HU) & H)

SPA 454: 19th-Century Spanish American Narrative

SPA 456: 20th-Century Spanish American Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Upper Division International Business Elective

ECN 306: Survey of International Economics (SB & G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Business Entrepreneurship, BS

W. P. Carey School of Business

Tempe campus
BABUENTBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	• PSY 101 OR SOC 101/301 is a pre-requisite for MGT 320: Organizational Behavior which is a required course in Term 5.
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOC course (SB) OR SOC 101: Introductory Sociology (SB) OR SOC 301: Principles of Sociology (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 ECN 221: Business Statistics (CS)	3	C	

COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3
Natural Science - Quantitative (SQ)	4
Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 48 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ MGT 300: Organization and Management Leadership	3	C	• PSY 101 OR SOC 101/301 is a pre-requisite for MGT 320: Organizational Behavior which is a required course in Term 5.
WPC 301: Business Forum	1	C	
PSY course (SB) OR PSY 101: Introduction to Psychology (SB)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FIN 300: Fundamentals of Finance	3	C	
★ MGT 320: Organizational Behavior	3	C	
★ MGT 360: Entrepreneurship and Value Creation	3	C	
★ SCM 300: Global Supply Operations	3	C	
ENG 302: Business Writing (L)	3	C	
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LES 305: Business Law and Ethics for Managers	3	C	
★ MGT 440: Entrepreneurship	3	C	
★ MKT 300: Marketing and Business Performance	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 302: Principles of International Business (G) OR Upper Division International Business Elective AND Global Awareness (G)	3	C	
★ Complete 2 courses: Upper Division Entrepreneurship Elective	6	C	
Cultural Diversity in the U.S. (C)	3		

Elective	3
Term hours subtotal:	15

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 445: Business Plan Development	3	C	
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
General Education Elective	3		
Upper Division Elective	2		
Elective	3		
Term hours subtotal:	14		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
- Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Upper Division Entrepreneurship Electives

FIN 394: Fundamentals of Entrepreneurial Finance

MGT 310: Collaborative Team Skills

MGT 340: Creativity and Innovation (L or HU)

MGT 410: Responsible Management

MGT 411: Leading Organizations

MGT 420: Human Resource Management

MGT 430: Negotiations

MGT 446: Venture Capital Experience

MGT 447: Lean Launch

MGT 450: Consulting Projects (L)

MGT 464: Collaborative Design Development I (L)

MGT 465: Collaborative Design Development II (L)

MGT 484: Internship

MGT 493: Honors Thesis (L)

MKT 435: Entrepreneurial Marketing

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to
Communication Inquiry

COM 259: Communication in Business
and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and
Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for
Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group
Communication

COM 453: Communication Training and
Development

COM 465: Intercultural Communication
Workshop

ENG 210: Introduction to Creative
Writing

ENG 213: Introduction to the Study of
Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew
(G)

HEB 102: Elementary Modern Hebrew
(G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and
Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and Conversation

ROM 314: Romanian Composition and Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and Composition for Bilinguals

SPA 316: Spanish Conversation and Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU) & G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or HU) & H)

SPA 454: 19th-Century Spanish American Narrative

SPA 456: 20th-Century Spanish American Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Upper Division International Business Elective

ECN 306: Survey of International Economics (SB & G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

Notes:

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- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Business Exploratory

W. P. Carey School of Business

Tempe campus
BABUSEXP

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Milestone: Minimum 2.0 GPA ASU Cumulative			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY course (SB)	3		
 Milestone: Selection of a major.			
 Milestone: Minimum 2.0 GPA ASU Cumulative			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

- Must declare major by the end of Term 2.
- Changes of major into this program are not allowed.

Notes:

- - Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
 - Transfer UD Business Course Hours: 9 Hours Maximum.
 - Community College Business Hours: 30 Hours Maximum.
 - Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 31

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Computer Information Systems, BS

W. P. Carey School of Business

Tempe campus
BACISBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY course (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 ECN 221: Business Statistics (CS)	3	C	

COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3
Natural Science - Quantitative (SQ)	4
⚠ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 48 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ CIS 235: Introduction to Information Systems	3	C	
WPC 301: Business Forum	1	C	
SOC course (SB)	3		
Cultural Diversity in the U.S. (C)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACC 444: Enterprise Process Analysis and Design	3	C	
★ CIS 340: Business Information System Development I	3	C	
★ MGT 300: Organization and Management Leadership	3	C	
★ SCM 300: Global Supply Operations	3	C	
ENG 302: Business Writing (L)	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CIS 345: Business Information System Development II	3	C	
★ CIS 365: Business Database Systems Development	3	C	
★ FIN 300: Fundamentals of Finance	3	C	
★ LES 305: Business Law and Ethics for Managers	3	C	
Elective	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CIS 425: Electronic Commerce Strategy	3	C	
★ CIS 430: Networks and Distributed Systems	3	C	
★ MKT 300: Marketing and Business Performance	3	C	

★ Upper Division International Business Elective AND Global Awareness (G)	3	C
Upper Division Humanities, Arts and Design (HU)	3	
Term hours subtotal:	15	

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CIS 440: Systems Design and Electronic Commerce (L)	3	C	
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
Upper Division General Education Elective	3		
General Education Elective	3		
Elective	2		
Term hours subtotal:	14		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
 - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Upper Division International Business Elective

ECN 306: Survey of International Economics (SB & G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group Communication

COM 453: Communication Training and Development

COM 465: Intercultural Communication Workshop

ENG 210: Introduction to Creative Writing

ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew (G)

HEB 102: Elementary Modern Hebrew (G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and
Conversation

ROM 314: Romanian Composition and
Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and
Composition for Bilinguals

SPA 316: Spanish Conversation and
Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU)
& G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or
HU) & H)

SPA 454: 19th-Century Spanish American
Narrative

SPA 456: 20th-Century Spanish American
Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Economics, BS

W. P. Carey School of Business

Tempe campus
BAECNBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16-17		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis OR MAT 271: Calculus with Analytic Geometry II (MA)	3-4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY course (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15-16		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 ECN 221: Business Statistics (CS)	3	C	

COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3
Natural Science - Quantitative (SQ)	4
 Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 48 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Upper Division ECN course (SB)	3	C	• 3 credits hours maximum of ECN 484 and ECN 499.
WPC 301: Business Forum	1	C	
SOC course (SB)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ECN 312: Intermediate Microeconomic Theory (SB)	3	C	
 FIN 300: Fundamentals of Finance	3	C	
 SCM 300: Global Supply Operations	3	C	
ENG 302: Business Writing (L)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ECN 313: Intermediate Macroeconomic Theory (SB)	3	C	• 3 credits hours maximum of ECN 484 and ECN 499. • Minimum of two 300/400 level economic courses completed
 MGT 300: Organization and Management Leadership	3	C	
 MKT 300: Marketing and Business Performance	3	C	
ECN 4** Elective	3	C	
Upper Division Elective	3		
Complete ECN 312, ECN 313 course(s).			
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ECN 306: Survey of International Economics (SB & G) OR ECN 360: Economic Development (SB & G) OR ECN 436: International Trade Theory (SB & G) OR ECN 438: International Monetary Economics (SB & G)	3	C	• 3 credits hours maximum of ECN 484 and ECN 499.
 LES 305: Business Law and Ethics for Managers	3	C	

ECN 410: Applied Regression Analysis and Forecasting	3	C
ECN 4** Elective	3	C
Cultural Diversity in the U.S. (C)	3	
Term hours subtotal:	15	

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	• 3 credits hours maximum of ECN 484 and ECN 499. • Complete all major courses
ECN 4** Elective	3	C	
General Education Elective	3		
Upper Division Elective	2		
Elective	3		
Term hours subtotal:	14		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
- Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

General Education Electives
ARB 101: Elementary Arabic I
ARB 102: Elementary Arabic II
BIO 300: Natural History of Arizona (SG)
BIO 320: Fundamentals of Ecology
CHI 101: First-Year Chinese I (G)
CHI 102: First-Year Chinese II (G)
CHI 205: Chinese Calligraphy
COM 207: Introduction to Communication Inquiry
COM 259: Communication in Business and the Professions
COM 281: Communication Activities
COM 310: Relational Communication
COM 312: Communication, Conflict, and Negotiation
COM 317: Nonverbal Communication
COM 341: Social Contexts for Performance
COM 414: Crisis Communication
COM 422: Advanced Argumentation (L)
COM 430: Leadership in Group Communication

COM 453: Communication Training and Development

COM 465: Intercultural Communication Workshop

ENG 210: Introduction to Creative Writing

ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew (G)

HEB 102: Elementary Modern Hebrew (G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and
Conversation

ROM 314: Romanian Composition and
Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and Composition for Bilinguals

SPA 316: Spanish Conversation and Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU) & G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or HU) & H)

SPA 454: 19th-Century Spanish American Narrative

SPA 456: 20th-Century Spanish American Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Finance, BS**

W. P. Carey School of Business
Tempe campus
BAFINBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 232: Financial Accounting I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 242: Managerial Accounting I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	

❗ ECN 221: Business Statistics (CS)	3	C
SOC course (SB)	3	
Natural Science - Quantitative (SQ)	4	
❗ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

Term 4 48 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ FIN 302: Managerial Finance OR FIN 303: Honors Finance	3	C	
❗ FIN 331: Financial Markets and Institutions	3	C	
WPC 301: Business Forum	1	C	
PSY course (SB)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
❗ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACC 340: External Reporting I	3	C	
★ FIN 361: Advanced Managerial Finance	3	C	
ENG 302: Business Writing (L)	3		
MGT 300: Organization and Management Leadership	3	C	
SCM 300: Global Supply Operations	3	C	
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FIN 421: Security Analysis and Portfolio Management	3	C	
LES 305: Business Law and Ethics for Managers	3	C	
MKT 300: Marketing and Business Performance	3	C	
Upper Division Elective OR CIS 308: Advanced Excel in Business	3		
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Finance Elective	3	C	
Upper Division International Business Elective AND Global Awareness (G)	3	C	
Complete 2 courses: General Education Elective	6		
Upper Division Humanities, Arts and Design (HU)	3		

Term hours subtotal: 15

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FIN 461: Financial Cases and Modeling (L)	3	C	
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
Upper Division Elective OR FIN 484: Internship OR REA 484: Internship	3		
Complete 2 courses: Elective	5		
Term hours subtotal:		14	

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
 - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- Accountancy and Finance concurrent degree students may not use ACC 350 or ACC 440 as the Finance Upper Division Elective, and must take an additional Finance Upper Division Elective to replace ACC 340.

Upper Division Finance Elective

ACC 350: Internal Reporting

ACC 440: External Reporting II

FIN 427: Derivative Financial Securities

FIN 431: Management of Financial Institutions

FIN 456: International Financial Management (G)

FIN 494: Special Topics

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group Communication

COM 453: Communication Training and Development

COM 465: Intercultural Communication Workshop

ENG 210: Introduction to Creative Writing

ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew (G)

HEB 102: Elementary Modern Hebrew (G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and
Conversation

ROM 314: Romanian Composition and Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and Composition for Bilinguals

SPA 316: Spanish Conversation and Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU) & G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or HU) & H)

SPA 454: 19th-Century Spanish American Narrative

SPA 456: 20th-Century Spanish American Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Upper Division International Business Elective

ECN 306: Survey of International Economics (SB & G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

General University Requirements Legend

General Studies Awareness Requirements:

Upper Division Hours: 51 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Management, BS

W. P. Carey School of Business

Polytechnic campus, Tempe campus, West campus
BAMGTBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	• PSY 101 OR SOC 101/301 is a pre-requisite for MGT
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	

❗ ECN 221: Business Statistics (CS)	3	C	320: Organizational Behavior which is a required course in Term 5.
SOC course (SB) OR SOC 101: Introductory Sociology (SB) OR SOC 301: Principles of Sociology (SB)	3		
Natural Science - Quantitative (SQ)	4		
❗ Minimum 2.00 GPA ASU Cumulative.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MGT 300: Organization and Management Leadership	3	C	• PSY 101 OR SOC 101/301 is a pre-requisite for MGT 320: Organizational Behavior which is a required course in Term 5.
WPC 301: Business Forum	1	C	
PSY course (SB) OR PSY 101: Introduction to Psychology (SB)	3		
Cultural Diversity in the U.S. (C)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
❗ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 302: Business Writing (L)	3	C	
★ FIN 300: Fundamentals of Finance	3	C	
★ SCM 300: Global Supply Operations	3	C	
MGT 320: Organizational Behavior	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 302: Principles of International Business (G) OR Upper Division International Business Elective	3	C	
★ MKT 300: Marketing and Business Performance	3	C	
MGT 411: Leading Organizations	3	C	
Upper Division Management Elective	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LES 305: Business Law and Ethics for Managers	3	C	
★ MGT 450: Consulting Projects (L)	3	C	
Upper Division Management Elective	3	C	

Complete 2 courses: 6
General Education Elective

Term hours subtotal: 15

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
★ 4** Business Elective	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	5		
Term hours subtotal:	14		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
- Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Upper Division Management Electives

MGT 310: Collaborative Team Skills

MGT 340: Creativity and Innovation (L or HU)

MGT 360: Entrepreneurship and Value Creation

MGT 394: Women and Leadership in Business Today

MGT 400: Cross-Cultural Management (C & G)

MGT 410: Responsible Management

MGT 420: Human Resource Management

MGT 430: Negotiations

MGT 440: Entrepreneurship

MGT 445: Business Plan Development

MGT 459: International Management (G)

MGT 460: Strategic Management (L)

MGT 484: Internship

MGT 493: Honors Thesis (L)

MGT 494: Special Topics

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to
Communication Inquiry

COM 259: Communication in Business
and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and
Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for
Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group
Communication

COM 453: Communication Training and
Development

COM 465: Intercultural Communication
Workshop

ENG 210: Introduction to Creative
Writing

ENG 213: Introduction to the Study of
Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew
(G)

HEB 102: Elementary Modern Hebrew
(G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and
Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and
Conversation

ROM 314: Romanian Composition and
Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and
Composition for Bilinguals

SPA 316: Spanish Conversation and
Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU)
& G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or
HU) & H)

SPA 454: 19th-Century Spanish American
Narrative

SPA 456: 20th-Century Spanish American
Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

4 Business Elective**

ACC 4** Elective

CIS 4** Elective

ECN 4** Elective

FIN 4** Elective

MGT 4** Elective

MKT 4** Elective

REA 4** Elective

SCM 4** Elective

Upper Division International Business
Elective

ECN 306: Survey of International
Economics (SB & G)

MGT 302: Principles of International
Business (G)

MKT 425: Global Marketing Management
(G)

SCM 463: Global Supply Chain
Management (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Marketing, BS

W. P. Carey School of Business

Tempe campus
BAMKTBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
MAT 210: Brief Calculus (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	

❗ ECN 221: Business Statistics (CS)	3	C
PSY course (SB)	3	
Natural Science - Quantitative (SQ)	4	
❗ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

Term 4 48 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MKT 302: Applied Marketing Management and Leadership (L)	3	C	
WPC 301: Business Forum	1	C	
SOC course (SB)	3		
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
❗ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 300: Organization and Management Leadership	3	C	
★ MKT 352: Marketing Research (L)	3	C	
★ SCM 300: Global Supply Operations	3	C	
ENG 302: Business Writing (L)	3		
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FIN 300: Fundamentals of Finance	3	C	
★ LES 305: Business Law and Ethics for Managers	3	C	
★ MKT 402: Consumer Behavior	3	C	
Upper Division Marketing Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MKT 442: Services Marketing Strategy OR MKT 452: Business-to-Business Marketing Strategy OR MKT 462: Competitive Marketing Strategy	3	C	
★ Upper Division International Business Elective AND Global Awareness (G)	3	C	
Upper Division Marketing Elective	3	C	
General Education Elective	3		

Upper Division Elective	3
Term hours subtotal:	15

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
Upper Division Marketing Elective	3	C	
General Education Elective	3		
Upper Division Elective	3		
Elective	2		
Term hours subtotal:	14		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
 - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Upper Division Marketing Electives
MKT 360: Seminar in International Business
MKT 365: Advertising Management
MKT 370: Professional Sales and Relationship Management
MKT 410: Sales and Sales Management
MKT 425: Global Marketing Management (G)
MKT 430: Sports Business
MKT 435: Entrepreneurial Marketing
MKT 440: Digital Marketing in Practice
MKT 442: Services Marketing Strategy
MKT 450: Social Media and Content Marketing
MKT 452: Business-to-Business Marketing Strategy
MKT 455: Brand Management
MKT 462: Competitive Marketing Strategy
MKT 484: Internship
MKT 493: Honors Thesis (L)
MKT 494: Special Topics
MKT 499: Individualized Instruction
General Education Electives
ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to
Communication Inquiry

COM 259: Communication in Business
and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and
Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for
Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group
Communication

COM 453: Communication Training and
Development

COM 465: Intercultural Communication
Workshop

ENG 210: Introduction to Creative
Writing

ENG 213: Introduction to the Study of
Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew
(G)

HEB 102: Elementary Modern Hebrew
(G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and
Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and Conversation

ROM 314: Romanian Composition and Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and Composition for Bilinguals

SPA 316: Spanish Conversation and Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU) & G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or HU) & H)

SPA 454: 19th-Century Spanish American Narrative

SPA 456: 20th-Century Spanish American Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Upper Division International Business Elective

ECN 306: Survey of International Economics (SB & G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

Notes:

- - Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
 - Transfer UD Business Course Hours: 9 Hours Maximum.
 - Community College Business Hours: 30 Hours Maximum.
 - Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Marketing (Digital and Integrated Marketing Communications), BS

W. P. Carey School of Business

Tempe campus
BAMKDIMCBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY course (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
 ECN 221: Business Statistics (CS)	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	

COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3
Natural Science - Quantitative (SQ)	4
⚠ Minimum 2.00 GPA ASU Cumulative.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 48 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ MKT 302: Applied Marketing Management and Leadership (L)	3	C	
WPC 301: Business Forum	1	C	
SOC course (SB)	3		
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
⚠ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FIN 300: Fundamentals of Finance	3	C	
★ MGT 300: Organization and Management Leadership	3	C	
★ MKT 352: Marketing Research (L)	3	C	
ENG 302: Business Writing (L)	3		
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LES 305: Business Law and Ethics for Managers	3	C	
★ MKT 402: Consumer Behavior	3	C	
★ SCM 300: Global Supply Operations	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MKT 442: Services Marketing Strategy OR ★ MKT 452: Business-to-Business Marketing Strategy OR ★ MKT 462: Competitive Marketing Strategy	3	C	- Digital & Integrated Marketing Communication concentration electives must be taken at ASU. - If chosen as a concentration elective, MKT 493 Honors Thesis
★ Upper Division Digital & Integrated Marketing Communications Concentration Elective	3	C	
★ Upper Division International Business Elective AND ★ Global Awareness (G)	3	C	

General Education Elective	3
Elective	3
Term hours subtotal:	15

subject must be Advertising, Brand Management, or Digital Marketing.

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	- Digital & Integrated Marketing Communication concentration electives must be taken at ASU. - If chosen as a concentration elective, MKT 493 Honors Thesis subject must be Advertising, Brand Management, or Digital Marketing.
★ Complete 2 courses: Upper Division Digital & Integrated Marketing Communications Concentration Elective	6	C	
General Education Elective	3		
Upper Division Elective	2		
Term hours subtotal:	14		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
 - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.
- Choose three (3) Upper Division Digital & Integrated Marketing Communication Concentration Electives.
 - Digital & Integrated Marketing Communication concentration electives must be taken at ASU.
 - If chosen as a concentration elective, MKT 493 Honors Thesis subject must be Advertising, Brand Management, or Digital Marketing.

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group Communication

COM 453: Communication Training and Development

COM 465: Intercultural Communication Workshop

ENG 210: Introduction to Creative Writing

ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew (G)

HEB 102: Elementary Modern Hebrew (G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and Conversation

ROM 314: Romanian Composition and Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and
Composition for Bilinguals

SPA 316: Spanish Conversation and
Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU)
& G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or
HU) & H)

SPA 454: 19th-Century Spanish American
Narrative

SPA 456: 20th-Century Spanish American
Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Digital & Integrated Marketing
Communications Concentration Electives

MKT 365: Advertising Management

MKT 440: Digital Marketing in Practice

MKT 450: Social Media and Content
Marketing

MKT 455: Brand Management

MKT 484: Learning Through Internship
or MKT 493: Honors Thesis (L)

Upper Division International Business
Elective

ECN 306: Survey of International
Economics (SB & G)

MGT 302: Principles of International
Business (G)

MKT 425: Global Marketing Management
(G)

SCM 463: Global Supply Chain
Management (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

General University Requirements Legend

General Studies Awareness Requirements:

Upper Division Hours: 51 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Marketing (Professional Sales), BS**

W. P. Carey School of Business

Tempe campus
BAMKTPSBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	

❗ ECN 221: Business Statistics (CS)	3	C
PSY course (SB)	3	
Natural Science - Quantitative (SQ)	4	
❗ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

Term 4 48 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MKT 302: Applied Marketing Management and Leadership (L)	3	C	
WPC 301: Business Forum	1	C	
SOC course (SB)	3		
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
❗ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MKT 352: Marketing Research (L)	3	C	
★ MKT 370: Professional Sales and Relationship Management	3	C	
★ MGT 300: Organization and Management Leadership	3	C	
★ SCM 300: Global Supply Operations	3	C	
ENG 302: Business Writing (L)	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MKT 402: Consumer Behavior	3	C	
★ MKT 452: Business-to-Business Marketing Strategy	3	C	
★ FIN 300: Fundamentals of Finance	3	C	
★ LES 305: Business Law and Ethics for Managers	3	C	
General Education Elective	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MKT 410: Sales and Sales Management	3	C	
★ Upper Division International Business Elective AND Global Awareness (G)	3	C	
General Education Elective	3		
Upper Division Humanities, Arts and Design (HU)	3		

Elective	3
Term hours subtotal:	15

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
★ MKT 484: Internship	3	C	
★ Upper Division Marketing Concentration Elective	3	C	
Upper Division Elective	2		
Elective	3		
Term hours subtotal:	14		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
 - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Upper Division Marketing Concentration Electives

MKT 435: Entrepreneurial Marketing

MKT 441: Sports Relationship Management

MKT 460: Sports Revenue Generation

MKT 493: Honors Thesis (L)

MGT 430: Negotiations

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for
Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group
Communication

COM 453: Communication Training and
Development

COM 465: Intercultural Communication
Workshop

ENG 210: Introduction to Creative
Writing

ENG 213: Introduction to the Study of
Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew
(G)

HEB 102: Elementary Modern Hebrew
(G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and
Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and
Conversation

ROM 314: Romanian Composition and
Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and
Composition for Bilinguals

SPA 316: Spanish Conversation and
Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU)
& G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or
HU) & H)

SPA 454: 19th-Century Spanish American
Narrative

SPA 456: 20th-Century Spanish American
Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Upper Division International Business
Elective

ECN 306: Survey of International
Economics (SB & G)

MGT 302: Principles of International
Business (G)

MKT 425: Global Marketing Management
(G)

SCM 463: Global Supply Chain
Management (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Supply Chain Management, BS

W. P. Carey School of Business

Tempe campus, West campus
BASCMB5

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • See academic advisor for appropriate Student Success course requirement if not a first-time freshman.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
WPC 101: Student Success in Business	1		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 231: Uses of Accounting Information I	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
COM 100: Introduction to Human Communication (SB) OR COM 225: Public Speaking (L) OR COM 230: Small Group Communication (SB) OR COM 259: Communication in Business and the Professions	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACC 241: Uses of Accounting Information II	3	C	
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	

❗ ECN 221: Business Statistics (CS)	3	C
PSY course (SB)	3	
Natural Science - Quantitative (SQ)	4	
❗ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

Term 4 48 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ SCM 300: Global Supply Operations	3	C	
WPC 301: Business Forum	1	C	
SOC course (SB)	3		
General Education Elective	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
❗ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MGT 300: Organization and Management Leadership	3	C	
★ SCM 315: Business Decision Models	3	C	
★ SCM 345: Logistics Management	3	C	
ENG 302: Business Writing (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FIN 300: Fundamentals of Finance	3	C	
★ SCM 355: Supply Management (L)	3	C	
★ SCM 432: Planning and Control Systems for Supply Chain Management	3	C	
★ SCM 463: Global Supply Chain Management (G) OR Upper Division International Business Elective AND Global Awareness (G)	3	C	
Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LES 305: Business Law and Ethics for Managers	3	C	
★ MKT 300: Marketing and Business Performance	3	C	
★ SCM 455: Research and Negotiation	3	C	

★ SCM 479: Supply Chain Strategy (L)	3	C
Upper Division Elective OR SCM 440: Quality Management/Measurement	3	
Term hours subtotal:	15	

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ WPC 480: W. P. Carey Capstone Course (L)	3	C	
General Education Elective	3		
Cultural Diversity in the U.S. (C)	3		
Complete 2 courses: Elective	5		
Term hours subtotal:	14		

- W.P. Carey School of Business students may not use courses with the following prefixes to satisfy General Education course requirements: ACC, AGB, BUA, BUS, CIS, COB, ECN, FIN, GLB, HAS, HRM, IBS, ISM, LES, MGT, MKT, OPM, PGM, QBA, REA, SCM, WPC.
 - Courses that qualify as meeting the General Education course requirements can be any non-business university General Studies course (C, CS, G, H, HU, L, MA, SB, SG, SQ) or any course from the additional lists below. Please consult the Schedule of Classes for prerequisite requirements before registration to determine if you are eligible to take the course.

Upper Division International Business Elective

ECN 306: Survey of International Economics (SB & G)

MGT 302: Principles of International Business (G)

MKT 425: Global Marketing Management (G)

SCM 463: Global Supply Chain Management (G)

General Education Electives

ARB 101: Elementary Arabic I

ARB 102: Elementary Arabic II

BIO 300: Natural History of Arizona (SG)

BIO 320: Fundamentals of Ecology

CHI 101: First-Year Chinese I (G)

CHI 102: First-Year Chinese II (G)

CHI 205: Chinese Calligraphy

COM 207: Introduction to Communication Inquiry

COM 259: Communication in Business and the Professions

COM 281: Communication Activities

COM 310: Relational Communication

COM 312: Communication, Conflict, and Negotiation

COM 317: Nonverbal Communication

COM 341: Social Contexts for Performance

COM 414: Crisis Communication

COM 422: Advanced Argumentation (L)

COM 430: Leadership in Group Communication

COM 453: Communication Training and Development

COM 465: Intercultural Communication Workshop

ENG 210: Introduction to Creative Writing

ENG 213: Introduction to the Study of Language

ENG 310: Intermediate Creative Writing

ENG 314: Modern Grammar

ENG 345: Selected Authors or Issues

FAS 301: Introduction to Parenting

FRE 101: Elementary French (G)

FRE 102: Elementary French (G)

FRE 111: Fundamentals of French

FRE 472: Franco-Canadian Civilization

GCU 433: Geography of Southeast Asia

GER 101: Elementary German

GER 102: Elementary German

GER 111: Fundamentals of German

GRK 101: Elementary Ancient Greek

GRK 201: Intermediate Ancient Greek

HEB 101: Elementary Modern Hebrew (G)

HEB 102: Elementary Modern Hebrew (G)

HEB 313: Advanced Modern Hebrew (G)

HEB 314: Advanced Modern Hebrew (G)

HST 389: Japan Society and Values/Premod

IDN 101: Elementary Indonesian I

IDN 102: Elementary Indonesian II

ITA 101: Elementary Italian I (G)

ITA 102: Elementary Italian II (G)

ITA 420: Italian Cinema

JPN 101: First-Year Japanese I (G)

JPN 102: First-Year Japanese II (G)

JPN 206: Japanese Calligraphy

JPN 414: Introduction to Classical
Japanese

KOR 101: First-Year Korean I

KOR 102: First-Year Korean II

General Education Electives Continued

LAT 101: Elementary Latin

LAT 102: Elementary Latin

MAK 101: Elementary Macedonian

MAK 102: Elementary Macedonian

MAT 117: College Algebra (MA)

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

MAT 310: Introduction to Geometry

MAT 342: Linear Algebra

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 370: Intermediate Calculus

MAT 371: Advanced Calculus I

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 460: Vector Calculus

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 485: History of Mathematics

POR 101: Elementary Portuguese

ROM 101: Elementary Romanian

ROM 201: Intermediate Romanian

ROM 313: Romanian Composition and
Conversation

ROM 314: Romanian Composition and
Conversation

RUS 101: Elementary Russian

RUS 102: Elementary Russian

SHS 101: American Sign Language I

SHS 102: American Sign Language II

SHS 201: American Sign Language III

SHS 202: American Sign Language IV

SPA 101: Elementary Spanish

SPA 102: Elementary Spanish

SPA 111: Fundamentals of Spanish

SPA 315: Spanish Conversation and
Composition for Bilinguals

SPA 316: Spanish Conversation and
Composition for Bilinguals

SPA 429: Mexican Literature ((L or HU)
& G)

SPA 434: Drama of the Golden Age

SPA 435: Cervantes-Don Quijote ((L or
HU) & H)

SPA 454: 19th-Century Spanish American
Narrative

SPA 456: 20th-Century Spanish American
Fiction

SPA 486: Mexican American Novel

SPA 487: Mexican American Drama

THA 101: Elementary Thai I

THA 102: Elementary Thai II

VTN 101: Elementary Vietnamese I (G)

VTN 102: Elementary Vietnamese II (G)

Notes:

- Total UD Hours: 51 Upper Division Hours Required for all W. P. Carey School of Business degree programs.
- Transfer UD Business Course Hours: 9 Hours Maximum.
- Community College Business Hours: 30 Hours Maximum.
- Minimum 2.0 W. P. Carey School Business Courses GPA

Total Hours: 120

Upper Division Hours: 51 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Architectural Studies, BSD

Herberger Institute for Design and the Arts

Tempe campus

ARSTDBSD

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ALA 100: Introduction to Environmental Design (HU & H & G) OR ALA 102: Landscapes and Sustainability (HU & G)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Design majors take DSC 100 to fulfill this requirement.
 ALA 121: Design Fundamentals I	3	C	
 DSC 100: ASU Design Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ALA 100: Introduction to Environmental Design (HU & H & G) OR ALA 102: Landscapes and Sustainability (HU & G)	3	C	• Architectural Studies majors must successfully pass a degree milestone at the end of their freshman year to continue in the degree program. Applying to pass the degree milestone requirement is competitive and limited by available resources. Selection is awarded to those applicants demonstrating the highest promise for professional success. Students who do not pass the degree milestone are required to meet with their academic advisor. For more information on the degree milestone application process, visit http://herbergerinstitute.asu.edu/degrees/milestone.php.
 ALA 122: Design Fundamentals II	3	C	
 ALA 124: Design Fundamentals II Lecture	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 2.75 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 33 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Milestone: Evaluation required.			
 ALA 225: Design Fundamentals III	4	C	
 ALA 235: Introduction to Computer Modeling (CS)	3	C	

APH 313: History of Architecture I ((L or HU) & G & H)	3	C
PHY 101: Introduction to Physics (SQ)	4	
❗ Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Minimum 3.00 GPA ASU Cumulative.		
Term hours subtotal:	14	

Term 4 47 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ ALA 226: Design Fundamentals IV	4	C	
❗ ADE 242: Introduction to Building Systems	3	C	
APH 314: History of Architecture II ((L or HU) & G & H)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
❗ Complete PHY 101 course.			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 61 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ADE 321: Architectural Studio I	5	C	
★ ATE 361: Building Structures I	3	C	
APH 336: 20th-Century Architecture I (HU)	3	C	
Elective	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 6 75 - 89 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ADE 322: Architectural Studio II	5	C	
★ ATE 362: Building Structures II	3	C	
APH 337: 20th-Century Architecture II (HU)	3	C	
Elective	4		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 90 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ADE 421: Architectural Studio III	5	C	
★ ATE 451: Building Systems I	3	C	
APH 421: First Concepts: What is... The Writing, Philosophy, and Culture of Architecture (L or HU)	3	C	
Complete 2 courses: Elective	6		
Minimum 3.00 GPA ASU Cumulative.			

Term hours subtotal: 17

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ADE 422: Architectural Studio IV	5	C	
★ ATE 452: Building Systems II	3	C	
Complete 2 courses: Elective	6		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:		14	

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Art (Art Education), BFA

Herberger Institute for Design and the Arts

Tempe campus
FAARTEBFA

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience		1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ARA 101: The Art Experience is required of all freshman art majors only • Art Education majors must successfully complete a portfolio review for entrance into upper division coursework in the major and this typically takes place in term 4. For more information, visit: http://art.asu.edu/admissions/undergrad/applying/portfolio.php
Complete 2 courses:  ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color OR ART 115: 3-D Design		6	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)		3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Mathematics (MA)		3		
Maintain 3.00 GPA in Art courses.				
Minimum 2.70 GPA ASU Cumulative.				
Term hours subtotal:		16		
Term 2 17 - 31 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)		3	C	
Complete 2 courses:  ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color OR ART 115: 3-D Design		6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Computer/Statistics/Quantitative Applications (CS)		3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Maintain 3.00 GPA in Art courses.				
Minimum 2.70 GPA ASU Cumulative.				
Term hours subtotal:		15		
Term 3 32 - 47 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 2D or 3D Art Course		3	C	• Minimum grade of B- or better in ARE 250 required for portfolio review.
 ARE 250: Teaching Inquiry in Art		3	B-	

Natural Science - Quantitative (SQ)	4
Social-Behavioral Sciences (SB) OR GCU 113: United States and Arizona Social Studies (SB & H)	3
Elective OR BLE 220: Foundations of Structured English Immersion	3
❗ Complete ARS 101 AND ARS 102 course(s).	
❗ Complete Mathematics (MA) requirement.	
❗ Maintain 3.00 GPA in Art courses.	
❗ Minimum 2.70 GPA ASU Cumulative.	
Complete First-Year Composition requirement.	
Term hours subtotal:	16

- Teachers College requirement: GCU 113 recommended for students pursuing K-12 certification.
- Teachers College requirement: BLE 220 required for students pursuing K-12 certification.

Term 4 48 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ 2D Art Course	3	C	• Art Education majors must successfully complete a portfolio review for entrance into upper division coursework in the major and this typically takes place in term 4. For more information, visit: http://art.asu.edu/admissions/undergrad/applying/portfolio.php. • Students must complete an Art Education Proficiency form and have an Art Education faculty member approve the proficiency coursework. Art Education Proficiency courses: ARA, ARE, ARS and ART prefixes; cannot be ARA 311, ARS 100, or ARS 300. • Teachers College requirement: SPE 222 required for students pursuing K-12 certification. • Teachers College requirement: Apply for DPS fingerprint clearance card. • Meet with academic advisor or faculty member after portfolio results are received.
❗ 3D Art Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR SPE 222: Orientation to Education of Exceptional Children (SB & C)	3		
Upper Division Elective	3		
❗ Milestone: Completion of successful portfolio review			
❗ Maintain 3.00 GPA in Art courses.			
❗ Minimum 2.70 GPA ASU Cumulative.			
❗ Complete Natural Science - Quantitative (SQ) OR Natural Science - General (SG) course(s). (Teachers College requirement)			
Milestone: Complete Art Education Proficiency Form with advisor and have art education faculty mentor approve proficiency coursework.			
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARE 370: Teaching Visual Culture	3	C	• Students must complete 6 hours of upper division ARS coursework (not from ARS 300). Must include one Asian/African/Native Am./Latin Am. Focus and one 20th Century Focus course. • Teachers College requirement: Complete the Intent to Progress form (meet with major advisor to complete this form). • Teachers College requirement: Submit copy of DPS fingerprint
ARE 494: Special Topics	3	C	
Upper Division Asian/African/Native Am./Latin Am. focus AND Upper Division Humanities, Arts and Design (HU)	3	C	
Complete 2 courses: Art Education Proficiency Course	6	C	
Term hours subtotal:	15		

clearance card to Teachers College (Farmer 120) or upload copy to Intent to Progress form.

- Teachers College requirement: Attend Teachers College Enrollment Workshop if pursuing K-12 certification.

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARE 482: Teaching Art Processes	3	C	• Students must complete 6 hours of upper division ARS coursework (not from ARS 300). Must include one Asian/African/Native Am./Latin Am. Focus and one 20th Century Focus course. • Teachers College requirement: Students pursuing K-12 certification should meet with major advisor to discuss the remaining certification requirements and to properly plan their electives.
Upper Division Art History 20th Century Focus	3	C	
Art Education Proficiency Course	3	C	
Literacy and Critical Inquiry (L) AND Global Awareness (G)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARE 486: Art Education: Strategies and Applications	3	C	• Teachers College requirement: TEL 315 required for students pursuing K-12 certification. • Teachers College requirement: Students pursuing K-12 certification should meet with major advisor to discuss the remaining certification requirements and to properly plan their electives.
Complete 2 courses: Upper Division Art Education Proficiency Course	6	C	
Upper Division Literacy and Critical Inquiry (L) OR TEL 315: Child and Adolescent Development (L or SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARE 496: Methods and Assessment of Learning in Art	3	C	• Art Education students who are not pursuing K-12 certification take 2 Art Education Proficiency courses during term 8. • Teachers College requirement: BLE 407 required for students pursuing K-12 certification.
Upper Division Art Education Proficiency Course	3	C	
Upper Division Art Education Proficiency Course OR BLE 407: SEI for Secondary Students	3	C	
Upper Division Elective	3		
Term hours subtotal:	12		

- Teachers College requirement: Students pursuing K-12 certification should meet with major advisor to discuss the remaining certification requirements and to properly plan their electives.

2D Art Course

ART 201: Photography I AND ART 202: Photography I Lab

ART 204: Photography II: Black and White

ART 205: Photography II: Color

ART 211: Drawing II

ART 214: Life Drawing I

ART 223: Painting I

ART 227: Watercolor I

ART 253: Introduction to Printmaking

2D or 3D Art Course

ART 201: Photography I AND ART 202: Photography I Lab

ART 204: Photography II: Black and White

ART 205: Photography II: Color

ART 211: Drawing II

ART 214: Life Drawing I

ART 216: Intermedia Practices

ART 218: 3D Tools

ART 223: Painting I

ART 227: Watercolor I

ART 231: Sculpture I

ART 253: Introduction to Printmaking

ART 261: Ceramic Survey

ART 272: Introduction to Metals and Jewelry

ART 274: Wood I

ART 276: Fibers I

ART 294: Introduction to Animation

3D Art Course

ART 216: Intermedia Practices

ART 218: 3D Tools

ART 231: Sculpture I

ART 261: Ceramic Survey

ART 272: Introduction to Metals and Jewelry

ART 274: Wood I

ART 276: Fibers I

ART 294: Introduction to Animation

Art History 20th Century Focus

ARS 340: Art in America (HU & H)

ARS 434: Art and Visual Culture of 19th Century (HU)

ARS 436: The Artist, War, and Revolution (Versailles to Vietnam) (HU)

ARS 438: Art of the 20th Century I (HU & H)

ARS 439: Art of the 20th Century II (HU & H)

ARS 442: Critical Issues in American Painting (HU)

ARS 458: Critical Theories in the Visual Arts (HU)

ARS 459: Writing Art Criticism

ARS 460: Art Now

ARS 485: Women in the Visual Arts (L)

Art History Asian/African/Native Am./Latin Am. Focus

ARS 302: Art/ Africa,Oceania & Americas (HU & H & G)

ARS 362: Pre-Columbian Art I (HU & H)

ARS 465: Native Art of North America (HU & C & H)

ARS 466: Native American Art of the Southwest (HU & C & H)

ARS 468: Art of the Arctic and Northwest Coast (HU & C & H)

ARS 469: Mexican Art (HU & H)

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

Art Education Proficiency Courses (Requires approval; see Note in term 4)

ARA Elective

ARE Elective

ARS Elective

ART Elective

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

- Historical Awareness (H)
- First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Art (Art History), BA**

Herberger Institute for Design and the Arts
FAARTHBA

Term 1 0 - 17 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ARA 101: The Art Experience is required of all freshman art majors only. • Art Elective cannot be ARA 311
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)	3	B-	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	B-	
 Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language IV .	4	C	
ARA OR ARE OR APH OR ART Elective	3	C	
Mathematics (MA)	3		
 Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 2 18 - 33 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)	3	B-	• Milestone: Art History majors in the School of Art must successfully complete an application for entrance into upper division coursework in the major. For Art History students, this typically takes place during terms 2 or 3. For more information, visit: http://art.asu.edu/admissions/undergrad/applying/portfolio.php • Art Elective cannot be ARA 311.
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	B-	
 Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language IV .	4	C	
ARA OR ARE OR APH OR ART Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Minimum 3.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 34 - 49 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

 ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) OR ARS 250: History of Photography (HU)	3	B-	ARS Elective cannot be ARS 100 or ARS 300.
 Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language IV .	4	C	
ARS Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Milestone: Submit Art History Application.			
 Minimum 3.00 GPA ASU Cumulative.			
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:		16	

Term 4 50 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) OR ARS 250: History of Photography (HU)	3	B-	
 Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language IV .	4	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:		14	

Term 5 64 - 79 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Art History Asian/African/Native Am./Latin Am.	3	C	Art Elective cannot be ARA 311.
Upper Division Art History Renaissance/ Baroque Focus	3	C	
ARA OR ARE OR APH OR ART Elective	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:		16	

Term 6 80 - 94 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ARS 480: Research Methods (L)	3	C	
Upper Division Art History Ancient/Medieval Focus	3	C	
Upper Division Art History Modern/ Contemporary Focus	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:		15	

Term 7 95 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ARS 498: Pro-Seminar	3	C	

ARS Upper Division Elective	3	C
Complete 2 courses: Upper Division Elective	6	
Elective	2	
Term hours subtotal:	14	

- ARS elective cannot be ARS 300.
- ARS 498 Pro-Seminar: Students will engage in research and a sustained writing project.

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARS Upper Division Elective	3	C	
Upper Division ARS course (HU)	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		

- ARS elective cannot be ARS 300.

Art History Ancient/Medieval Focus

ARS 394: Art and Myth of the Classical World

ARS 394: Egyptian Art and Culture

ARS 402: Art of Ancient Egypt (HU & H)

ARS 404: Greek Art (HU & H)

ARS 406: Roman Art (HU & H)

ARS 414: Romanesque Art (HU & H)

Art History Asian/African/Native Am./Latin Am. Focus

ARS 302: Art/ Africa,Oceania & Americas (HU & H & G)

ARS 465: Native Art of North America (HU & C & H)

ARS 466: Native American Art of the Southwest (HU & C & H)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

Art History Renaissance/ Baroque Focus

ARS 310: The Renaissance in Tuscany

ARS 394: Genre: Portraits

ARS 418: German Renaissance and Reformation Art (HU)

ARS 422: Italian High Renaissance Art and Mannerism (HU)

ARS 424: Italian Baroque Art (HU & H)

Art History Modern/ Contemporary Focus

ARS 340: Art in America (HU & H)

ARS 345: Art and Television

ARS 394: Genre: Portraits

ARS 435: The Pre-Raphaelites

ARS 438: Art of the 20th Century I (HU
& H)

ARS 439: Art of the 20th Century II (HU
& H)

ARS 440: Identity and World Film

ARS 442: Critical Issues in American
Painting (HU)

ARS 485: Women in the Visual Arts (L)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Art (Art History), BA**

Herberger Institute for Design and the Arts
Online
FAARTHBA

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)	3	B-	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	B-	
Term hours subtotal:	7		
Term 1 - B 8 - 13 Credit Hours	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	B-	
Mathematics (MA)	3		
Term hours subtotal:	6		
Term 2 - A 14 - 20 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)	3	B-	
Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language.	4	C	
Term hours subtotal:	7		
Term 2 - B 21 - 27 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ARA Elective OR ARE Elective OR APH Elective OR ART Elective	3	C	
Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			

Minimum 3.00 GPA ASU Cumulative.

Term hours subtotal: 7

Term 3 - A 28 - 34 Credit Hours	Hours	Minimum Grade	Notes
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) OR ARS 250: History of Photography (HU)	3	B-	
Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language.	4	C	
Term hours subtotal:	7		

Term 3 - B 35 - 41 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
ARA Elective OR ⚠ ARE Elective OR APH Elective OR ART Elective	3	C	
Second Language: Requirement satisfied through the following: *Completion of a language course at the intermediate level (202 or equivalent), not including American Sign Language.	4	C	
⚠ Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Complete ARS 101 AND ARS 102 course(s).			
Milestone: Complete the Art History application.			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	7		

Term 4 - A 42 - 47 Credit Hours	Hours	Minimum Grade	Notes
ARA Elective OR ARE Elective OR APH Elective OR ART Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		

Term 4 - B 48 - 53 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G) OR ARS 250: History of Photography (HU)	3	B-	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 5 - A 54 - 59 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Art History Ancient/Medieval Focus	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Term hours subtotal:	6		

Minimum

Term 5 - B 60 - 66 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ Upper Division Art History Asian/African/Native Am./Latin Am. Focus	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 6 - A 67 - 72 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Art History Renaissance/Baroque Focus	3	C	
ARS Elective	3	C	
Term hours subtotal:	6		
Term 6 - B 73 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Art History Modern/Contemporary Focus	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 7 - A 80 - 85 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARS 480: Research Methods (L)	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		
Term 7 - B 86 - 91 Credit Hours	Hours	Minimum Grade	Notes
ARS Upper Division Elective	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	6		
Term 8 - A 92 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARS 498: Pro-Seminar	3	C	ARS 498 Pro-Seminar: Students will engage in research and a sustained writing project.
Elective	2		
Term hours subtotal:	5		
Term 8 - B 97 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARS Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		
Term 9 - A 103 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division ARS course (HU)	3	C	

Upper Division Elective	3
Term hours subtotal:	6

Term 9 - B 109 - 114 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - A 115 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Elective	3		
Term hours subtotal:	3		

Term 10 - B 118 - 120 Credit Hours	Hours	Minimum Grade	Notes
Elective	3		
Term hours subtotal:	3		

Art History Ancient/Medieval Focus

ARS 394: Art and Myth of the Classical World

ARS 394: Egyptian Art and Culture

ARS 402: Art of Ancient Egypt (HU & H)

ARS 414: Romanesque Art (HU & H)

Art History Asian/African/Native Am./Latin Am. Focus

ARS 302: Art/ Africa,Oceania & Americas (HU & H & G)

ARS 465: Native Art of North America (HU & C & H)

ARS 466: Native American Art of the Southwest (HU & C & H)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

Art History Renaissance/ Baroque Focus

ARS 394: Genre: Portraits

ARS 422: Italian High Renaissance Art and Mannerism (HU)

ARS 424: Italian Baroque Art (HU & H)

Art History Modern/ Contemporary Focus

ARS 340: Art in America (HU & H)

ARS 435: The Pre-Raphaelites

ARS 438: Art of the 20th Century I (HU & H)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Art (Art Studies), BA

Herberger Institute for Design and the Arts

Tempe campus

FAARTSTDBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ARA 101: The Art Experience is required of all freshman art majors only. • All students wishing to major in one of the School of Art's Bachelor of Fine Arts degree programs are placed in the Bachelor of Arts in Art Studies degree program at the time of admission. Students wishing to pursue a BFA should follow the major map for their intended art concentration. • Students may opt to remain in the Bachelor of Arts in Art Studies major; there is no portfolio review for this major.
Complete 2 courses: ART 111: Drawing I OR  ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media OR ART 115: 3-D Design	6	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)	3	C	• Students should complete either ART 113 or 116, not both. • All students wishing to major in one of the School of Art's Bachelor of Fine Arts degree programs are placed in the Bachelor of Arts in Art Studies degree program at the time of admission. Students
Complete 2 courses: ART 111: Drawing I OR  ART 112: 2-D Design OR ART 113: Color or ART 116: Introduction to Digital Media OR ART 115: 3-D Design	6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	

Computer/Statistics/Quantitative Applications (CS)	3
❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).	
Minimum 2.50 GPA ASU Cumulative.	
Term hours subtotal:	15

wishing to pursue a BFA should follow the major map for their intended art concentration.

- Students may opt to remain in the Bachelor of Arts in Art Studies major; there is no portfolio review for this major.

Term 3 32 - 47 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ 2D Art Course	3	C	• All students wishing to major in one of the School of Arts Bachelor of Fine Arts degree programs are placed in the Bachelor of Arts in Art Studies degree program at the time of admission. Students wishing to pursue a BFA should follow the major map for their intended major during the first 4 terms at ASU until passing the portfolio review. • Students pursuing a BFA degree should complete the required 200-level studio course for their intended art concentration during term 3. • Students may opt to remain in the Bachelor of Arts in Art Studies major; there is no portfolio review for this major.
❗ 3D Art Course	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
❗ Complete ARS 101 AND ARS 102 course(s).			
❗ Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ 2D or 3D Art Course	6	C	• ARS Upper Division Elective cannot be ARS 300. • Students wishing to pursue a Bachelor of Fine Arts degree must successfully complete a portfolio review for entrance into upper division coursework, which generally takes place in term 4. For more information, visit: http://art.asu.edu/admissions/undergrad. • Work with academic advisor to develop performing arts and history of performance and related studies coursework plan. • Students may opt to remain in the Bachelor of Arts in Art Studies major; there is no portfolio review for this major.
ARS Upper Division Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	16		

Minimum

Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ ARA OR ARE OR ARS OR ART Elective	3	C	• Art Elective course cannot be ARA 311, ARS 100 or ARS 300.
ARS Upper Division Elective AND Upper Division Humanities, Arts and Design (HU)	3	C	
Upper Division Related Studies Elective	3	C	
Performing Arts Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 79 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Performing Arts Elective	3	C	• Art Upper Division Elective course cannot be ARA 311 or ARS 300.
Upper Division Related Studies Elective	3	C	
ARA OR ARE OR ARS OR ART Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	12		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Related Studies Elective	3	C	• Art Upper Division Elective course cannot be ARA 311 or ARS 300.
ARA OR ARE OR ARS OR ART Upper Division Elective	3	C	
Upper Division Performing Arts Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARA OR ARE OR ARS OR ART Upper Division Elective	3	C	• Art Upper Division Elective course cannot be ARA 311 or ARS 300.
Upper Division Performing Arts Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Elective	3		
Term hours subtotal:	15		

2D or 3D Art Course

ART 201: Photography I AND ART 202:
Photography I Lab

ART 204: Photography II: Black and
White

ART 205: Photography II: Color

ART 211: Drawing II

ART 214: Life Drawing I

ART 216: Intermedia Practices

ART 218: 3D Tools

ART 223: Painting I

ART 227: Watercolor I

ART 231: Sculpture I

ART 253: Introduction to Printmaking

ART 261: Ceramic Survey

ART 272: Introduction to Metals and Jewelry

ART 274: Wood I

ART 276: Fibers I

ART 294: Introduction to Animation

2D Art Course

ART 201: Photography I AND ART 202: Photography I Lab

ART 204: Photography II: Black and White

ART 205: Photography II: Color

ART 211: Drawing II

ART 214: Life Drawing I

ART 223: Painting I

ART 227: Watercolor I

ART 253: Introduction to Printmaking

3D Art Course

ART 216: Intermedia Practices

ART 218: 3D Tools

ART 231: Sculpture I

ART 261: Ceramic Survey

ART 272: Introduction to Metals and Jewelry

ART 274: Wood I

ART 276: Fibers I

ART 294: Introduction to Animation

Performing Arts Electives

DCE Elective

FMP Elective

MHL Elective

MTC Elective

MUE Elective

MUP Elective

MUS Elective

THE Elective

THF Elective

THP Elective

Upper Division Related Area

Choose a course related to art outside of the School of Art from the subjects below:

African/ African American Studies

American Indian Studies

Anthropology

Design Studies

History

Humanities - any upper division course with HU designation

Literacy - any upper division course with L designation

Religious Studies

Transborder Chicana/o & Latina/o Studies

Women's Studies

AFR OR AIS OR APA OR ASB OR FMS
OR HST OR REL OR TCL OR WST
Elective

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Art (Ceramics), BFA

Herberger Institute for Design and the Arts

Tempe campus
FAARTCBFA

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience		1		- An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. - ASU Math Placement Exam score determines placement in Mathematics course. - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. - ARA 101: The Art Experience is required of all freshman art majors only. - Ceramics majors must successfully complete a portfolio review for entrance into upper division coursework in the major and this typically takes place in term 4. For more information, visit: http://art.asu.edu/admissions/undergrad/applying/portfolio.php - ART 112 and 115 recommended for Ceramics majors in term 1.
Complete 2 courses:  ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color OR ART 115: 3-D Design		6	C	
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)		3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Mathematics (MA)		3		
Maintain 3.00 GPA in Art courses.				
Minimum 2.70 GPA ASU Cumulative.				
Term hours subtotal:		16		
Term 2 17 - 31 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)		3	C	ART 261 recommended for Ceramics majors in terms 2 or 3, and must be completed by term 3.
 ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color OR ART 115: 3-D Design OR ART 261: Ceramic Survey		6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Computer/Statistics/Quantitative Applications (CS)		3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Maintain 3.00 GPA in Art courses.				
Minimum 2.70 GPA ASU Cumulative.				
Term hours subtotal:		15		
Term 3 32 - 47 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
ART 111: Drawing I OR ART 112: 2-D Design OR		3	C	

❖ ART 113: Color OR
ART 115: 3-D Design OR
ART 261: Ceramic Survey

- ART 261 recommended for Ceramics majors in terms 2 or 3, and must be completed by term 3.

❖ 2D or 3D Art Course	3	C
Literacy and Critical Inquiry (L)	3	
Natural Science - Quantitative (SQ)	4	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3	
❖ Complete ARS 101, ARS 102 course(s).		
❖ Complete ART 261 course.		
❖ Complete Mathematics (MA) requirement.		
❖ Maintain 3.00 GPA in Art courses.		
❖ Minimum 2.70 GPA ASU Cumulative.		
Complete First-Year Composition requirement.		
Term hours subtotal:	16	

Term 4 48 - 63 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ 2D Art Course	3	C	• Ceramics majors must successfully complete a portfolio review for entrance into upper division coursework in the major and this typically takes place in term 4. For more information, visit: http://art.asu.edu/admissions/undergrad/applying/portfolio.php • Art Elective course cannot be ARA 311, ARS 100 or ARS 300. • Meet with academic advisor or faculty member once portfolio results are received.
❖ 3D Art Course	3	C	
ARA OR ARE OR ARS OR ART Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
❖ Milestone: Completion of successful portfolio review			
❖ Maintain 3.00 GPA in Art courses.			
❖ Minimum 2.70 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 360: Ceramic Throwing	3	C	• Students must complete 6 hours of upper division ARS coursework (not from ARS 300); Must include one Asian/African/Native Am/Latin Am. Focus course and one 20th Century Focus course.
ART 364: Ceramic Handbuilding I	3	C	
Upper Division Art History 20th Century Focus	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 460: Ceramic Clay OR ART 463: Ceramic Glaze	3	C	• ART 460 is only offered during odd numbered Fall semesters, ART 463 is only offered during even numbered Spring
ART 466: Special Problems in Ceramics	3	C	

Upper Division Asian/African/Native Am./Latin Am. Focus AND Upper Division Humanities, Arts and Design (HU)	3	C
ARA OR ARE OR ARS OR ART Elective	3	C
Upper Division Elective	3	
Term hours subtotal:	15	

semesters, please meet with an academic advisor for scheduling information.

- Art Elective course cannot be ARA 311, ARS 100 or ARS 300

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Ceramics Art Elective	6	C	• Art Upper Division Elective courses cannot be ARA 311 or ARS 300.
Complete 2 courses: ARA OR ARE OR ARS OR ART Upper Division Elective	6	C	
Elective	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	1	C	• Art Upper Division Elective courses cannot be ARA 311 or ARS 300.
Upper Division Ceramics Art Elective	3	C	
Complete 2 courses: ARA OR ARE OR ARS OR ART Upper Division Elective	6	C	
Elective	2		
Term hours subtotal:	12		

2D or 3D Art Course
ART 201: Photography I AND ART 202: Photography I Lab
ART 204: Photography II: Black and White
ART 205: Photography II: Color
ART 211: Drawing II
ART 214: Life Drawing I
ART 216: Intermedia Practices
ART 218: 3D Tools
ART 223: Painting I
ART 227: Watercolor I
ART 231: Sculpture I
ART 253: Introduction to Printmaking
ART 272: Introduction to Metals and Jewelry
ART 274: Wood I
ART 276: Fibers I
ART 294: Introduction to Animation
2D Art Course

ART 201: Photography I AND ART 202:
Photography I Lab

ART 204: Photography II: Black and
White

ART 205: Photography II: Color

ART 211: Drawing II

ART 214: Life Drawing I

ART 223: Painting I

ART 227: Watercolor I

ART 253: Introduction to Printmaking

3D Art Course

ART 216: Intermedia Practices

ART 218: 3D Tools

ART 231: Sculpture I

ART 272: Introduction to Metals and
Jewelry

ART 274: Wood I

ART 276: Fibers I

ART 294: Introduction to Animation

Art History 20th Century Focus

ARS 340: Art in America (HU & H)

ARS 436: The Artist, War, and
Revolution (Versailles to Vietnam) (HU)

ARS 438: Art of the 20th Century I (HU
& H)

ARS 439: Art of the 20th Century II (HU
& H)

ARS 442: Critical Issues in American
Painting (HU)

ARS 458: Critical Theories in the Visual
Arts (HU)

ARS 459: Writing Art Criticism

ARS 460: Art Now

ARS 485: Women in the Visual Arts (L)

Art History Asian/African/Native Am./Latin Am. Focus

ARS 302: Art/ Africa,Oceania &
Americas (HU & H & G)

ARS 362: Pre-Columbian Art I (HU & H)

ARS 465: Native Art of North America
(HU & C & H)

ARS 466: Native American Art of the
Southwest (HU & C & H)

ARS 468: Art of the Arctic and Northwest
Coast (HU & C & H)

ARS 469: Mexican Art (HU & H)

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

Upper Division Ceramics Art Elective

ART 365: Ceramic Handbuilding II

ART 460: Ceramic Clay

ART 463: Ceramic Glaze

ART 466: Special Problems in Ceramics

ART 494: Ceramics

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Art (Drawing), BFA

Herberger Institute for Design and the Arts

Tempe campus
FAARTDBFA

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience		1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ARA 101: The Art Experience is required of all freshman art majors only. • ART 111 and 112 recommended for Drawing majors in term 1. • Drawing majors must successfully complete a portfolio review for entrance into upper division coursework in the major. This typically takes place in term 4. For more information, visit: http://art.asu.edu/admissions/undergrad/applying/portfolio.php
Complete 2 courses:  ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color OR ART 115: 3-D Design		6	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)		3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
MAT 142: College Mathematics (MA)		3		
Maintain 3.00 GPA in Art courses.				
Minimum 2.70 GPA ASU Cumulative.				
Term hours subtotal:		16		
Term 2 17 - 31 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)		3	C	• ART 211 OR ART 214 and a 100-level ART course are recommended for Drawing majors in term 2. • ART 211 and ART 214 must be completed by term 3.
Complete 2 courses: ART 111: Drawing I OR ART 112: 2-D Design OR  ART 113: Color OR ART 115: 3-D Design OR ART 211: Drawing II OR ART 214: Life Drawing I		6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Computer/Statistics/Quantitative Applications (CS)		3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Maintain 3.00 GPA in Art courses.				
Minimum 2.70 GPA ASU Cumulative.				
Term hours subtotal:		15		
Term 3 32 - 46 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
Complete 2 courses:				

 ART 111: Drawing I OR  ART 112: 2-D Design OR ART 113: Color OR ART 115: 3-D Design OR ART 211: Drawing II OR ART 214: Life Drawing I	6	C
Literacy and Critical Inquiry (L)	3	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3	
Elective	3	
 Complete ARS 101 AND ARS 102 course(s).		
 Complete ART 211 AND ART 214 course(s).		
 Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
 Maintain 3.00 GPA in Art courses.		
 Minimum 2.70 GPA ASU Cumulative.		
Term hours subtotal:	15	

Term 4 47 - 62 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 2D or 3D Art Course	3	C	- Drawing majors must successfully complete a portfolio review for entrance into upper division coursework in the major. This typically takes place in term 4. For more information, visit: http://art.asu.edu/admissions/undergrad/applying/portfolio.php. - Art Elective cannot be ARA 311, ARS 100 or ARS 300. - Meet with academic advisor or faculty member once portfolio results are received.
 3D Art Course	3	C	
ARA OR ARE OR ARS OR ART Elective	3	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Milestone: Completion of successful portfolio review			
 Maintain 3.00 GPA in Art courses.			
 Minimum 2.70 GPA ASU Cumulative.			
Term hours subtotal: 16			

Term 5 63 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ART 311: Drawing III	3	C	- Art Upper Division Elective cannot be ARA 311 or ARS 300. - ARS Upper Division Elective cannot be ARS 300.
ART 314: Life Drawing II	3	C	
Upper Division Art History Asian, African, Native American, Latin American Focus	3	C	
ARA OR ARE OR ARS OR ART Upper Division Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ART 411: Drawing IV	3	C	Art Upper Division Elective cannot be ARA 311 or ARS 300.
ART 414: Life Drawing III	3	C	

Upper Division Art History 20th Century - Contemporary Focus AND Upper Division Humanities, Arts and Design (HU)	3	C
ARA OR ARE OR ARS OR ART Upper Division Elective	3	C
Elective	3	
Term hours subtotal:	15	

- ARS Upper Division Elective cannot be ARS 300.

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ ARA OR ARE OR ARS OR ART Upper Division Elective	3	C
Complete 2 courses: ART 411: Drawing IV OR ART 414: Life Drawing III OR ART 427: Art on Paper OR ART 494: Drawing OR ART 499: Individualized Instruction OR ART 498: BFA Studio Seminar	6	C
ARS Upper Division Elective	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Term hours subtotal:	15	

- Art Upper Division Elective cannot be ARA 311 or ARS 300.
- ARS Upper Division Elective cannot be ARS 300.

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ ART 482: Senior Exhibitions/Portfolio	1	C
ART 411: Drawing IV OR ART 414: Life Drawing III OR ART 427: Art on Paper OR ART 494: Drawing OR ART 499: Individualized Instruction OR ART 498: BFA Studio Seminar	3	C
ARA OR ARE OR ARS OR ART Upper Division Elective	3	C
Upper Division Elective	3	
Elective	2	
Term hours subtotal:	12	

- Art Upper Division Elective courses cannot be ARA 311 or ARS 300.

- Students must complete 9 hours of ARS coursework (not from ARS 100 or ARS 300); must include 6 hours upper division hours, one Asian/African/Native Am./Latin Am Focus course, and one 20th Century Focus course. If students take a lower division Asian/African/Native Am./Latin Am. Focus course, the 20th-century and elective must be upper division and one must include an HU general studies designation.

2D or 3D Art Course

ART 201: Photography I AND ART 202:
Photography I Lab

ART 204: Photography II: Black and
White

ART 205: Photography II: Color

ART 216: Intermedia Practices

ART 218: 3D Tools

ART 223: Painting I

ART 227: Watercolor I

ART 231: Sculpture I

ART 253: Introduction to Printmaking

ART 261: Ceramic Survey

ART 272: Introduction to Metals and Jewelry

ART 274: Wood I

ART 276: Fibers I

ART 294: Introduction to Animation

3D Art Course

ART 216: Intermedia Practices

ART 218: 3D Tools

ART 231: Sculpture I

ART 261: Ceramic Survey

ART 272: Introduction to Metals and Jewelry

ART 274: Wood I

ART 276: Fibers I

ART 294: Introduction to Animation

Art History Asian/African/Native Am./Latin Am. Focus

ARS 302: Art/ Africa,Oceania & Americas (HU & H & G)

ARS 362: Pre-Columbian Art I (HU & H)

ARS 465: Native Art of North America (HU & C & H)

ARS 466: Native American Art of the Southwest (HU & C & H)

ARS 468: Art of the Arctic and Northwest Coast (HU & C & H)

ARS 469: Mexican Art (HU & H)

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

Art History 20th Century Focus

ARS 340: Art in America (HU & H)

ARS 436: The Artist, War, and Revolution (Versailles to Vietnam) (HU)

ARS 438: Art of the 20th Century I (HU & H)

ARS 439: Art of the 20th Century II (HU & H)

ARS 442: Critical Issues in American Painting (HU)

ARS 458: Critical Theories in the Visual Arts (HU)

ARS 459: Writing Art Criticism

ARS 460: Art Now

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Art (Fibers), BFA

Herberger Institute for Design and the Arts

Tempe campus
FAARTFBFA

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience		1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ARA 101: The Art Experience is required of freshmen art majors only. • Fibers majors must successfully complete a portfolio review for entrance into upper division coursework in the major and this typically takes place in term 4. For more information, visit: http://art.asu.edu/admissions/undergrad/applying/portfolio.php • ART 112 and 115 recommended for Fibers majors in term 1.
Complete 2 courses:  ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color OR ART 115: 3-D Design		6	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)		3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Mathematics (MA)		3		
Maintain 3.00 GPA in Art courses.				
Minimum 2.70 GPA ASU Cumulative.				
Term hours subtotal:		16		
Term 2 17 - 31 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)		3	C	• ART 276 recommended for Fibers majors in terms 2 or 3, and must be completed by term 3.
ART 111: Drawing I OR  ART 112: 2-D Design OR ART 113: Color OR ART 115: 3-D Design OR ART 276: Fibers I		6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Computer/Statistics/Quantitative Applications (CS)		3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Maintain 3.00 GPA in Art courses.				
Minimum 2.70 GPA ASU Cumulative.				
Term hours subtotal:		15		
Term 3 32 - 47 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
ART 111: Drawing I OR ART 112: 2-D Design OR		3	C	

❗ ART 113: Color OR
ART 115: 3-D Design OR
ART 276: Fibers I

- ART 276 recommended for Fibers majors in terms 2 or 3, and must be completed by term 3.

❗ 2D or 3D Art Course	3	C
Literacy and Critical Inquiry (L)	3	
Natural Science - Quantitative (SQ)	4	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3	
❗ Complete ARS 101 AND ARS 102 course(s).		
❗ Complete ART 276 course.		
❗ Complete Mathematics (MA) requirement.		
❗ Maintain 3.00 GPA in Art courses.		
❗ Minimum 2.70 GPA ASU Cumulative.		
Complete First-Year Composition requirement.		
Term hours subtotal:	16	

Term 4 48 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ 2D Art Course	3	C	• Fibers majors must successfully complete a portfolio review for entrance into upper division coursework in the major and this typically takes place in term 4. For more information, visit: http://art.asu.edu/admissions/undergrad/applying/portfolio.php. • Art Elective course cannot be ARA 311, ARS 100, or ARS 300. • Meet with your academic advisor or faculty member after portfolio results received.
❗ 3D Art Course	3	C	
ARA OR ARE OR ARS OR ART Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
❗ Milestone: Completion of successful portfolio review			
❗ Maintain 3.00 GPA in Art courses.			
❗ Minimum 2.70 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 376: Woven Structures I	3	C	• ARS Upper Division Elective cannot be ARS 300.
★ ART 377: Surface Design	3	C	
Upper Division Asian/African/Native Am./Latin Am. Focus AND Upper Division Humanities, Arts and Design (HU)	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 476: Woven Structures II	3	C	• Art Upper Division Elective course cannot be ARA 311 or ARS 300.
★ ART 477: Printed Textiles	3	C	

Upper Division Art History 20th Century Focus	3	C
ARA OR ARE OR ARS OR ART Upper Division Elective	3	C
Upper Division Elective	3	
Term hours subtotal:	15	

- ARS Upper Division Elective cannot be ARS 300.

Term 7 94 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 477: Printed Textiles OR ART 478: Advanced Surface Design	3	C	• Art Upper Division Elective course cannot be ARA 311 or ARS 300.
ART 476: Woven Structures II OR ART 479: 3-D Fibers	3	C	
Complete 2 courses: ARA OR ARE OR ARS OR ART Upper Division Elective	6	C	
Elective	2		
Term hours subtotal:	14		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	1	C	• Art Elective course cannot be ARA 311, ARS 100 or ARS 300.
ART 476: Woven Structures II OR ART 477: Printed Textiles OR ART 478: Advanced Surface Design OR ART 479: 3-D Fibers OR ART 494: Fibers/Surface Design OR ART 499: Individualized Instruction	3	C	
ARA OR ARE OR ARS OR ART Upper Division Elective	3	C	
ARA OR ARE OR ARS OR ART Elective	3	C	
Elective	3		
Term hours subtotal:	13		

- Students must complete 6 hours of upper division ARS coursework (not from ARS 300); Must include one Asian/African/Native Am./Latin Am. Focus course and one 20th Century Focus course.

2D Art Course

ART 201: Photography I AND ART 202:
Photography I Lab

ART 204: Photography II: Black and
White

ART 205: Photography II: Color

ART 211: Drawing II

ART 214: Life Drawing I

ART 223: Painting I

ART 227: Watercolor I

ART 253: Introduction to Printmaking

3D Art Course

ART 216: Intermedia Practices

ART 218: 3D Tools

ART 231: Sculpture I
ART 261: Ceramic Survey
ART 272: Introduction to Metals and Jewelry
ART 274: Wood I
ART 294: Introduction to Animation
2D or 3D Art Course
ART 201: Photography I AND ART 202: Photography I Lab
ART 204: Photography II: Black and White
ART 205: Photography II: Color
ART 211: Drawing II
ART 214: Life Drawing I
ART 216: Intermedia Practices
ART 218: 3D Tools
ART 223: Painting I
ART 227: Watercolor I
ART 231: Sculpture I
ART 253: Introduction to Printmaking
ART 261: Ceramic Survey
ART 272: Introduction to Metals and Jewelry
ART 274: Wood I
ART 294: Introduction to Animation
Art History 20th Century Focus
ARS 340: Art in America (HU & H)
ARS 434: Art and Visual Culture of 19th Century (HU)
ARS 436: The Artist, War, and Revolution (Versailles to Vietnam) (HU)
ARS 438: Art of the 20th Century I (HU & H)
ARS 439: Art of the 20th Century II (HU & H)
ARS 442: Critical Issues in American Painting (HU)
ARS 458: Critical Theories in the Visual Arts (HU)
ARS 459: Writing Art Criticism
ARS 460: Art Now
ARS 485: Women in the Visual Arts (L.)
Art History Asian/African/Native Am./Latin Am. Focus
ARS 302: Art/ Africa,Oceania & Americas (HU & H & G)
ARS 362: Pre-Columbian Art I (HU & H)

ARS 465: Native Art of North America
(HU & C & H)

ARS 466: Native American Art of the
Southwest (HU & C & H)

ARS 468: Art of the Arctic and Northwest
Coast (HU & C & H)

ARS 469: Mexican Art (HU & H)

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Art (Intermedia), BFA

Herberger Institute for Design and the Arts

Tempe campus
FAARTIBFA

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience		1		- An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. - ASU Math Placement Exam score determines placement in Mathematics course. - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. - ARA 101: The Art Experience is required of all freshman art majors only. - Intermedia majors must successfully complete a portfolio review for entrance into upper division coursework in the major and this typically takes place in term 4. For more information, visit: http://art.asu.edu/admissions/undergrad/applying/portfolio.php - ART 111 and 116 recommended for Intermedia majors in term 1.
Complete 2 courses:				
 ART 111: Drawing I OR		6	C	
ART 112: 2-D Design OR				
ART 115: 3-D Design OR				
ART 116: Introduction to Digital Media				
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR		3	C	
ARS 102: Art from Renaissance to Present (HU & H)				
ENG 101 or ENG 102: First-Year Composition OR		3	C	
ENG 105: Advanced First-Year Composition OR				
ENG 107 or ENG 108: First-Year Composition				
Mathematics (MA)		3		
Maintain 3.00 GPA in Art courses.				
Minimum 2.70 GPA ASU Cumulative.				
Term hours subtotal:		16		

Term 2 17 - 31 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR		3	C	ART 216 recommended for Intermedia majors in term 2 and must be completed by term 3.
ARS 102: Art from Renaissance to Present (HU & H)				
Complete 2 courses:				
ART 111: Drawing I OR		6	C	
 ART 112: 2-D Design OR				
ART 115: 3-D Design OR				
ART 116: Introduction to Digital Media OR				
ART 216: Intermedia Practices				
ENG 101 or ENG 102: First-Year Composition OR		3	C	
ENG 105: Advanced First-Year Composition OR				
ENG 107 or ENG 108: First-Year Composition				
Computer/Statistics/Quantitative Applications (CS)		3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Complete ART 116 course.				
Maintain 3.00 GPA in Art courses.				
Minimum 2.70 GPA ASU Cumulative.				
Term hours subtotal:		15		

Term 3 32 - 47 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes

❗ ART 111: Drawing I OR
 ART 112: 2-D Design OR
 ART 115: 3-D Design OR
 ART 116: Introduction to Digital Media OR
 ART 216: Intermedia Practices

3 C

- ART 216 recommended for Intermedia majors in term 2 and must be completed by term 3.

❗ 2D or 3D Art Course

3 C

Literacy and Critical Inquiry (L)

3

Natural Science - Quantitative (SQ)

4

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)

3

❗ Complete ARS 101 AND ARS 102 courses.

❗ Complete ART 216: Intermedia Practices course.

❗ Complete Mathematics (MA) requirement.

❗ Maintain 3.00 GPA in Art courses.

❗ Minimum 2.70 GPA ASU Cumulative.

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours **Critical** course signified by ❗

Hours Minimum Grade

Notes

❗ 2D Art Course

3 C

❗ 3D Art Course

3 C

Natural Science - Quantitative (SQ) OR
 Natural Science - General (SG)

4

Social-Behavioral Sciences (SB) AND Global
 Awareness (G)

3

Elective

3

❗ Milestone: Completion of successful portfolio
 review

❗ Maintain 3.00 GPA in Art courses.

❗ Minimum 2.70 GPA ASU Cumulative.

Term hours subtotal: 16

- Intermedia majors must successfully complete a portfolio review for entrance into upper division coursework in the major and this typically takes place in term 4. For more information, visit:
<http://art.asu.edu/admissions/undergrad/applying/portfolio.php>
- Meet with academic advisor or faculty member after portfolio results are received.

Term 5 64 - 78 Credit Hours **Necessary** course signified by ★

Hours

Minimum Grade

Notes

★ ART 443: Intermedia Performance

3 C

Upper Division Intermedia Elective

3 C

Upper Division ARS Elective

3 C

ARA OR ARE OR ARS OR ART Upper Division Elective

3 C

Upper Division Literacy and Critical Inquiry (L)

3

Term hours subtotal: 15

- ARS Upper Division Elective cannot be ARS 300.
- Art Upper Division Elective course cannot be ARA 311 or ARS 300.

Term 6 79 - 94 Credit Hours **Necessary** course signified by ★

Hours

Minimum Grade

Notes

★ ART 439: Intermedia Studio

3 C

ART 440: New Media Concepts AND
 ART 441: Video Art

4 C

- ARS Upper Division Elective cannot be ARS 300.

Upper Division Art History 20th Century Focus	3	C
ARA OR ARE OR ARS OR ART Upper Division Elective	3	C
Upper Division Elective	3	
Term hours subtotal:	16	

- Art Upper Division Elective course cannot be ARA 311 or ARS 300.

Term 7 95 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ <i>Complete 2 courses:</i> Upper Division Intermedia Elective	6	C	• ARS Upper Division Elective cannot be ARS 300. • Art Upper Division Elective course cannot be ARA 311 or ARS 300.
Upper Division Asian/African/Native Am./Latin Am. focus AND Upper Division Humanities, Arts and Design (HU)	3	C	
ARA OR ARE OR ARS OR ART Elective	4	C	
Term hours subtotal:	13		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	1	C	
<i>Complete 2 courses:</i> Upper Division Intermedia Elective	6	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	13		

- Students must complete 9 hours of ARS coursework (not from ARS 100 or 300); Must include 6 hours upper division, one Asian/African/Native Am./Latin Am. Focus course and one 20th Century Focus course. If students take a lower division Asian/African/Native Am./Latin Am. Focus course, the 20th Century Focus course and elective must be upper division and one must include an HU general studies designation.

2D or 3D Art Course
ART 201: Photography I AND ART 202: Photography I Lab
ART 204: Photography II: Black and White
ART 205: Photography II: Color
ART 211: Drawing II
ART 214: Life Drawing I
ART 218: 3D Tools
ART 223: Painting I
ART 227: Watercolor I
ART 231: Sculpture I
ART 253: Introduction to Printmaking
ART 261: Ceramic Survey
ART 272: Introduction to Metals and Jewelry
ART 274: Wood I

ART 276: Fibers I

ART 294: Introduction to Animation

2D Art Course

ART 201: Photography I AND ART 202:
Photography I Lab

ART 204: Photography II: Black and
White

ART 205: Photography II: Color

ART 211: Drawing II

ART 214: Life Drawing I

ART 223: Painting I

ART 227: Watercolor I

ART 253: Introduction to Printmaking

3D Art Course

ART 218: 3D Tools

ART 231: Sculpture I

ART 261: Ceramic Survey

ART 272: Introduction to Metals and
Jewelry

ART 274: Wood I

ART 276: Fibers I

ART 294: Introduction to Animation

Art History 20th Century Focus

ARS 340: Art in America (HU & H)

ARS 436: The Artist, War, and
Revolution (Versailles to Vietnam) (HU)

ARS 438: Art of the 20th Century I (HU
& H)

ARS 439: Art of the 20th Century II (HU
& H)

ARS 442: Critical Issues in American
Painting (HU)

ARS 458: Critical Theories in the Visual
Arts (HU)

ARS 459: Writing Art Criticism

ARS 460: Art Now

ARS 485: Women in the Visual Arts (L)

Art History Asian/African/Native Am./Latin Am. Focus

ARS 201: Art of Asia (HU & H & G)

ARS 202: Art of Africa, Oceania, and the
Americas (HU & H & G)

ARS 302: Art/ Africa,Oceania &
Americas (HU & H & G)

ARS 362: Pre-Columbian Art I (HU & H)

ARS 465: Native Art of North America
(HU & C & H)

ARS 466: Native American Art of the Southwest (HU & C & H)

ARS 468: Art of the Arctic and Northwest Coast (HU & C & H)

ARS 469: Mexican Art (HU & H)

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

Upper Division Intermedia Elective

ARA 494: Issues in Intermedia

ART 345: Visualization and Prototyping

ART 346: 3-D Computer Imaging and Animation (CS)

ART 348: Animation Motion Studies

ART 442: Art and Community

ART 444: Web Art

ART 494: Documentary Video Art

ART 494: Women/Art/Technology

ART 494: Visual Prototyping

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Art (Museum Studies), BA

Herberger Institute for Design and the Arts
Tempe campus
FAARTMSBA

Term 1 0 - 17 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience		1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ARA 101: The Art Experience is required of all freshman art majors only. • Museum Studies majors in the School of Art must successfully complete an application for entrance into upper division coursework in the major. For Museum Studies students, this typically takes place during terms 2 or 3 and must be completed by the end of term 3. For more information, visit: http://art.asu.edu/admissions/undergrad/applying/portfolio.php
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)		3	B-	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	B-	
 Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), can not select from American Sign Language IV.		4	C	
Mathematics (MA)		3		
Social-Behavioral Sciences (SB)		3		
 Minimum 3.00 GPA ASU Cumulative.				
Term hours subtotal:		17		
Term 2 18 - 33 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)		3	B-	• Museum Studies majors in the School of Art must successfully complete an application for entrance into upper division coursework in the major. For Museum Studies students, this typically takes place during terms 2 or 3 and must be completed by the end of term 3. For more information, visit: http://art.asu.edu/admissions/undergrad/applying/portfolio.php
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	B-	
 Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), can not select from American Sign Language IV.		4	C	
Computer/Statistics/Quantitative Applications (CS)		3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)		3		
 Minimum 3.00 GPA ASU Cumulative.				
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		16		

Term 3 34 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), can not select from American Sign Language IV.	4	C	
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
 Milestone: Submit Museum Studies Application.			
 Minimum 3.00 GPA ASU Cumulative.			
Complete First-Year Composition requirement.			
Term hours subtotal:	14		

Term 4 48 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), can not select from American Sign Language IV.	4	C	
ARS 201: Art of Asia (HU & H & G) OR ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Introduction to Museums course	3	C	Related Area Course: complete 9 hours: see list. These courses provide a range of potentially useful information for museum studies majors. The School of Art recommends selecting at least 6 hours from upper division options. All course substitutions must be approved by the School of Art.
Related Area Course	3	C	
Upper Division Art History (Ancient) OR Art History (Medieval) AND Upper Division Humanities, Arts and Design (HU)	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ARS 480: Research Methods (L)	3	C	Museum Studies students should speak with the internship coordinator, Dr. Betsy Fahlman, regarding internship opportunities. Museum Studies majors complete a total of 6 hours of internship credit in Term 7 and 8.
Upper Division Art History Renaissance/Baroque Focus	3	C	
Related Area Course	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

- Related Area Course: complete 9 hours: see list. These courses provide a range of potentially useful information for museum studies majors. The School of Art recommends selecting at least 6 hours from upper division options. All course substitutions must be approved by the School of Art.

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARS 498: Pro-Seminar	3	C	• ARS 498 Pro-Seminar: Students will engage in research and a sustained writing project.
ARA 460: Gallery Exhibitions OR ART 409: Photographic Exhibition	3	C	
ARS 484: Internship	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARS 484: Internship	3	C	• Related Area Course: complete 9 hours: see list. These courses provide a range of potentially useful information for museum studies majors. The School of Art recommends selecting at least 6 hours from upper division options. All course substitutions must be approved by the School of Art.
Upper Division Art History Modern/Contemporary Focus	3	C	
Related Area Course	3	C	
Upper Division Elective	3		
Elective	2		
Term hours subtotal:	14		

- Related Area Course: complete 9 hours: see list. These courses provide a range of potentially useful information for museum studies majors. The School of Art recommends selecting at least 6 hours from upper division options. All course substitutions must be approved by the School of Art.

Introduction to Museums

ARA 394: Museum Educators

ARA 394: Museums and Art History in Society

ARA 394: Museums and Galleries London

ARA 494: Museums and Galleries of London

ARS 494: Introduction to Museums

ARS 494: Museums and Galleries of London

ARS 494: Museums and Galleries of Florence

ASB 471: Introduction to Museums (L)

Art History (Ancient/Medieval) Focus

ARS 402: Art of Ancient Egypt (HU & H)

ARS 404: Greek Art (HU & H)

ARS 406: Roman Art (HU & H)

ARS 414: Romanesque Art (HU & H)

Art History Renaissance/Baroque Focus

ARS 310: The Renaissance in Tuscany

ARS 418: German Renaissance and Reformation Art (HU)

ARS 422: Italian High Renaissance Art and Mannerism (HU)

ARS 424: Italian Baroque Art (HU & H)

Art History Modern/Contemporary Focus

ARS 340: Art in America (HU & H)

ARS 345: Art and Television

ARS 394: Special Topics , Genre: Portraits

ARS 434: Art and Visual Culture of 19th Century (HU)

ARS 435: The Pre-Raphaelites

ARS 436: The Artist, War, and Revolution (Versailles to Vietnam) (HU)

ARS 438: Art of the 20th Century I (HU & H)

ARS 439: Art of the 20th Century II (HU & H)

ARS 440: Identity and World Film

ARS 442: Critical Issues in American Painting (HU)

ARS 485: Women in the Visual Arts (L)

Related Area Courses

ACC 382: Accounting and Financial Analysis

MKT 395: Essentials of Advertising and Marketing Communication

NLM 160: Voluntary Action and Community Leadership (SB)

NLM 220: Introduction to Nonprofit Organizations

NLM 300: Fund Raising and Resource Development

NLM 310: Volunteer Management

NLM 430: Managing Nonprofit Organizations (L)

PAF 300: Public Management and Administration

PAF 340: Contemporary Policy Challenges

PAF 420: Public Leadership

PRM 120: Leisure and the Quality of Life (SB)

PRM 210: Community Services and Professions.

PRM 486: Special Events Management

TDM 205: Introduction to Travel and Tourism (G)

TDM 345: Meeting and Convention Planning

TDM 350: Tourism Marketing

TDM 386: Convention Sales and Management

TDM 448: Heritage and Cultural Tourism

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Art (Painting), BFA

Herberger Institute for Design and the Arts

Tempe campus
FAARTPABFA

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience		1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ARA 101: The Art Experience is required of all freshman art majors only. • ART 111 and 113 recommended for Painting majors in term 1. • Painting majors must successfully complete a portfolio review for entrance into upper division coursework in painting. This typically takes place in term 4. For more information, visit: http://art.asu.edu/admissions/undergrad/applying/portfolio.php
Complete 2 courses:				
 ART 111: Drawing I OR		6	C	
ART 112: 2-D Design OR				
ART 113: Color OR				
ART 115: 3-D Design				
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR		3	C	
ARS 102: Art from Renaissance to Present (HU & H)				
ENG 101 or ENG 102: First-Year Composition OR		3	C	
ENG 105: Advanced First-Year Composition OR				
ENG 107 or ENG 108: First-Year Composition				
Mathematics (MA)		3		
Maintain 3.00 GPA in Art courses.				
Minimum 2.70 GPA ASU Cumulative.				
Term hours subtotal:		16		

Term 2 17 - 31 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR		3	C	• ART 223 or ART 227 and a 100-level ART courses recommended for Painting majors in term 2. • ART 223 and ART 227 must be completed by term 3.
ARS 102: Art from Renaissance to Present (HU & H)				
Complete 2 courses:				
ART 111: Drawing I OR				
ART 112: 2-D Design OR				
 ART 113: Color OR		6	C	
ART 115: 3-D Design OR				
ART 223: Painting I OR				
ART 227: Watercolor I				
ENG 101 or ENG 102: First-Year Composition OR		3	C	
ENG 105: Advanced First-Year Composition OR				
ENG 107 or ENG 108: First-Year Composition				
Computer/Statistics/Quantitative Applications (CS)		3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Maintain 3.00 GPA in Art courses.				
Minimum 2.70 GPA ASU Cumulative.				
Term hours subtotal:		15		

Term 3 32 - 46 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
Complete 2 courses:				

ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color OR ART 115: 3-D Design OR ART 223: Painting I OR ART 227: Watercolor I	6	C
Literacy and Critical Inquiry (L)	3	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3	
Elective	3	
Complete ART 223 AND ART 227 course(s).		
Complete Mathematics (MA) requirement.		
Maintain 3.00 GPA in Art courses.		
Minimum 2.70 GPA ASU Cumulative.		
Complete First-Year Composition requirement.		
Term hours subtotal:		15

Term 4 47 - 62 Credit Hours Critical course signified by	Hours	Minimum Grade	Notes
2D or 3D Art Course	3	C	- ART 214 is recommended for the 2-D or 3D Art Course to meet the pre-requisite for those students wishing to take ART 325 Figure Painting in term 6. - Painting majors must successfully complete a portfolio review for entrance into upper division coursework in painting. This typically takes place in term 4. For more information, visit: http://art.asu.edu/admissions/undergrad/applying/portfolio.php - Meet with academic advisor or faculty member after portfolio results are received.
3D Art Course	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Milestone: Completion of successful portfolio review			
Maintain 3.00 GPA in Art courses.			
Minimum 2.70 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 5 63 - 78 Credit Hours	Hours	Minimum Grade	Notes
ART 323: Painting II	3	C	- ARS Upper Division Elective cannot be ARS 300. - Art Upper Division Elective cannot be ARA 311 or ARS 300. - ART 314 is recommended for the Upper Division Art Elective for those students wishing to take ART 425 Advanced Figure Painting in terms 6, 7 or 8.
ART 327: Watercolor II	3	C	
Upper Division Art History Asian/African/Native Am./Latin Am. focus AND Upper Division Humanities, Arts and Design (HU)	3	C	
ARA OR ARE OR ARS OR ART Upper Division Elective	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:		16	

Term 6 79 - 93 Credit Hours Necessary course signified by	Hours	Minimum Grade	Notes
ART 423: Painting III	3	C	Art Upper Division Elective cannot be ARA 311 or ARS 300.
Upper Division Painting Elective	3	C	

Upper Division Art History 20th Century Focus	3	C
ARA OR ARE OR ARS OR ART Upper Division Elective	3	C
Upper Division Elective	3	
Term hours subtotal:	15	

- ARS Upper Division Elective cannot be ARS 300.

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARA OR ARE OR ARS OR ART Upper Division Elective	3	C	• Art Upper Division Elective cannot be ARA 311 or ARS 300.
Complete 2 courses: Upper Division Painting Elective	6	C	
ARS Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	1	C	• Art Elective courses cannot be ARA 311, ARS 100 or ARS 300.
Upper Division Painting Elective	3	C	
ARA OR ARE OR ARS OR ART Upper Division Elective	3	C	
ARA OR ARE OR ARS OR ART Elective	2	C	
Elective	3		
Term hours subtotal:	12		

- Students must complete 9 hours of ARS coursework (not from ARS 100 or 300); must include 6 hours upper division, one Asian/African/Native Am./Latin Am. Focus course, and one 20th Century Focus course. If students take a lower division Asian/African/Native Am./Latin Am. Focus course, the 20th Century Focus course and elective must be upper division and one must include an HU general studies designation.

2D or 3D Art Course

ART 201: Photography I AND ART 202: Photography I Lab

ART 204: Photography II: Black and White

ART 205: Photography II: Color

ART 211: Drawing II

ART 214: Life Drawing I

ART 216: Intermedia Practices

ART 218: 3D Tools

ART 231: Sculpture I

ART 253: Introduction to Printmaking

ART 261: Ceramic Survey

ART 272: Introduction to Metals and Jewelry

ART 274: Wood I

ART 276: Fibers I

ART 294: Introduction to Animation

3D Course

ART 216: Intermedia Practices

ART 218: 3D Tools

ART 231: Sculpture I

ART 261: Ceramic Survey

ART 272: Introduction to Metals and Jewelry

ART 274: Wood I

ART 276: Fibers I

ART 294: Introduction to Animation

Art History Asian/African/Native Am./Latin Am. Focus

ARS 302: Art/ Africa,Oceania & Americas (HU & H & G)

ARS 362: Pre-Columbian Art I (HU & H)

ARS 465: Native Art of North America (HU & C & H)

ARS 466: Native American Art of the Southwest (HU & C & H)

ARS 468: Art of the Arctic and Northwest Coast (HU & C & H)

ARS 469: Mexican Art (HU & H)

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

Art History 20th Century Focus

ARS 340: Art in America (HU & H)

ARS 436: The Artist, War, and Revolution (Versailles to Vietnam) (HU)

ARS 438: Art of the 20th Century I (HU & H)

ARS 439: Art of the 20th Century II (HU & H)

ARS 442: Critical Issues in American Painting (HU)

ARS 458: Critical Theories in the Visual Arts (HU)

ARS 459: Writing Art Criticism

ARS 460: Art Now

ARS 485: Women in the Visual Arts (L)

Painting Elective

ART 325: Figure Painting

ART 423: Painting III

ART 425: Advanced Figure Painting

ART 427: Art on Paper

ART 494: Painting

ART 498: BFA Studio Seminar

ART 499: Individualized Instruction

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Art (Photography), BFA

Herberger Institute for Design and the Arts

Tempe campus
FAARTPHBFA

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience		1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ARA 101: The Art Experience is required of all freshman art majors only. • Photography majors must successfully complete a portfolio review for entrance into upper division coursework in the major and this generally takes place in terms 4. For more information, see: http://art.asu.edu/admissions/undergrad/applying/portfolio.php. • By term 4, Photography majors must have completed ART 201 and 202, ART 204 or 205 and have completed 2 and be in progress of the other 2 of the following studio art core foundation courses: ART 111, 112, 113 or 116, and 115 in order to submit their portfolio.
Complete 2 courses: ART 111: Drawing I OR ART 112: 2-D Design OR				
 ART 115: 3-D Design OR ART 113: Color or ART 116: Introduction to Digital Media OR ART 201: Photography I AND ART 202: Photography I Lab		6	C	
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)		3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Mathematics (MA)		3		
Maintain 3.00 GPA in Art courses.				
Minimum 2.70 GPA ASU Cumulative.				
Term hours subtotal:		16		

Term 2 17 - 31 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)		3	C	• By term 4, Photography majors must have completed ART 201 and 202, ART 204 or 205 and have completed 2 and be in progress of the other 2 of the following studio art core foundation courses: ART 111, 112, 113 or 116, and 115 in order to submit their portfolio.
Complete 2 courses: ART 111: Drawing I OR ART 112: 2-D Design OR				
 ART 115: 3-D Design OR ART 113: Color or ART 116: Introduction to Digital Media OR ART 201: Photography I AND ART 202: Photography I Lab		6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)		3		
 Complete ART 201 AND ART 202 course(s).				
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Maintain 3.00 GPA in Art courses.				
Minimum 2.70 GPA ASU Cumulative.				
Term hours subtotal:		15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ART 204: Photography II: Black and White OR ART 205: Photography II: Color	3	C	
ART 111: Drawing I OR  ART 112: 2-D Design OR ART 115: 3-D Design OR ART 113: Color or ART 116: Introduction to Digital Media	3	C	
 ARA 202: Understanding Photographs	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ARS 101 AND ARS 102 course(s).			
 Maintain 3.00 GPA in Art courses.			
 Minimum 2.70 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ART 204: Photography II: Black and White OR ART 205: Photography II: Color	3	C	- Photography majors must successfully complete a portfolio review for entrance into upper division coursework in the major and this generally takes place in terms 3 or 4. For more information, see: http://art.asu.edu/admissions/undergrad/applying/portfolio.php. - Meet with academic advisor or faculty member once portfolio results are received.
 3D Art Course	3	C	
ARS 250: History of Photography (HU)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Milestone: Completion of successful portfolio review			
 Maintain 3.00 GPA in Art courses.			
 Minimum 2.70 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Photography Elective	3	C	Art Upper Division Elective cannot be ARA 311 or ARS 300
ARA OR ARE OR ARS OR ART Upper Division Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ARA OR ARE OR ARS OR ART Upper Division Elective	3	C	Art Upper Division Elective cannot be ARA 311 or ARS 300
Upper Division Art History Asian/African/Native Am./Latin Am. Focus AND Upper Division Humanities, Arts and Design (HU)	3	C	

Complete 2 courses: Upper Division Photography Elective	6	C
Elective	3	
Term hours subtotal:	15	

Term 7 94 - 108 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Photography Elective	3	C	• ARS Upper Division Elective cannot be ARS 300. • Art Upper Division Elective cannot be ARA 311 or ARS 300.
ARS Upper Division Elective	3	C	
ARA OR ARE OR ARS OR ART Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	1	C	• ARS Upper Division Elective cannot be ARS 300. • Art Elective cannot be ARA 311, ARS 100 or ARS 300.
Complete 2 courses: Upper Division Photography Elective	6	C	
ARS Upper Division Elective	3	C	
ARA OR ARE OR ARS OR ART Elective	2	C	
Term hours subtotal:	12		

- Students must complete 12 hours of ARS coursework (not from ARS 100 or 300); must include ARS 250, 9 hours upper division and one Asian/African/Native Am./Latin Am. Focus course.

3D Art Course

ART 216: Intermedia Practices

ART 218: 3D Tools

ART 231: Sculpture I

ART 261: Ceramic Survey

ART 272: Introduction to Metals and Jewelry

ART 274: Wood I

ART 276: Fibers I

ART 294: Introduction to Animation

Art History Asian/African/Native Am./Latin Am. Focus

ARS 302: Art/ Africa,Oceania & Americas (HU & H & G)

ARS 465: Native Art of North America (HU & C & H)

ARS 466: Native American Art of the Southwest (HU & C & H)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

ARS 494: Art of the Southwest ,
Contemporary Latin American ,
Contemporary Mexican Photography ,
History of Mexican Art , History of
Mexican Photography , Issues in Native
American Art , Mestizaje/Guadalupe in
Art , Mexican Photography , Mod &
Contemp Chinese Art , Modern Mexican
Art , Nation & Nationalism in Latino Art ,
Native American Art of the NW

Photography Elective

ART 301: Alternative Processes

ART 304: Junior Photographic Projects

ART 307: View Camera

ART 394: Photography

ART 403: Senior Photographic Projects

ART 404: Portraiture Photography

ART 409: Photographic Exhibition

ART 410: Landscape Photography

ART 494: Photography

ART 494: Digital Cameras & Photo
Editing , Digital Compositing ,
Documentary Photography , Photography
for the Media , Photogravure

ART 498: BFA Seminar: Alternative
Processes in Photography

ARA 498: Advanced Photo Aesthetics ,
Photography and Language

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Art (Printmaking), BFA

Herberger Institute for Design and the Arts

Tempe campus
FAARTPMBFA

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience		1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ARA 101: The Art Experience is required of all freshman art majors only. • ART 113 is recommended for Printmaking majors in term 1. • Printmaking majors must successfully complete a portfolio review for entrance into upper division coursework in the major and this typically takes place in term 4. For more information, visit: http://art.asu.edu/admissions/undergrad/applying/portfolio.php
Complete 2 courses:  ART 111: Drawing I OR ART 112: 2-D Design OR ART 113: Color OR ART 115: 3-D Design		6	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)		3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
MAT 142: College Mathematics (MA)		3		
Maintain 3.00 GPA in Art courses.				
Minimum 2.70 GPA ASU Cumulative.				
Term hours subtotal:		16		
Term 2 17 - 31 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)		3	C	• ART 253 and a 100-level Art class are recommended for Printmaking majors in term 2. • ART 253 must be completed by term 3.
Complete 2 courses: ART 111: Drawing I OR  ART 112: 2-D Design OR ART 113: Color OR ART 115: 3-D Design OR ART 253: Introduction to Printmaking		6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Computer/Statistics/Quantitative Applications (CS)		3		
 Complete ART 113 course by end of term 2.				
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Maintain 3.00 GPA in Art courses.				
Minimum 2.70 GPA ASU Cumulative.				
Term hours subtotal:		15		
Term 3 32 - 47 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes

 ART 111: Drawing I OR  ART 112: 2-D Design OR ART 113: Color OR  ART 115: 3-D Design OR ART 253: Introduction to Printmaking	3	C
 2D Art Course	3	C
Literacy and Critical Inquiry (L)	3	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3	
 Complete ARS 101 AND ARS 102 course(s).		
 Complete ART 253 course.		
 Complete Mathematics (MA) requirement.		
 Maintain 3.00 GPA in Art courses.		
 Minimum 2.70 GPA ASU Cumulative.		
Complete First-Year Composition requirement.		
Term hours subtotal:	16	

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 2D or 3D Art Course	3	C	- Printmaking majors must successfully complete a portfolio review for entrance into upper division coursework in the major and this typically takes place in term 4. For more information, see: http://art.asu.edu/admissions/undergrad/applying/portfolio.php. - Meet with academic advisor or faculty member once portfolio results received.
 3D Art Course	3	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Milestone: Completion of successful portfolio review			
 Maintain 3.00 GPA in Art courses.			
 Minimum 2.70 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ART 351: Intaglio I	3	C	- Art Upper Division Elective course cannot be ARA 311 or ARS 300. - ARS Upper Division Elective cannot be ARS 300.
 ART 354: Screen Printing I	3	C	
Upper Division Art History Asian/ African/ Native Am./ Latin Am. Focus AND Upper Division Humanities, Arts and Design (HU)	3	C	
ARA OR ARE OR ARS OR ART Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ART 352: Lithography I	3	C	

Upper Division Printmaking Elective	3	C
ARS Upper Division Elective	3	C
ARA OR ARE OR ARS OR ART Upper Division Elective	3	C
Elective	3	
Term hours subtotal:	15	

- ARS Upper Division Elective cannot be ARS 300.
- Art Upper Division Elective course cannot be ARA 311 or ARS 300.
- ART 354 must be completed by term 6.

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ <i>Complete 2 courses:</i> Upper Division Printmaking Elective	6	C	• Art Upper Division Elective course cannot be ARA 311 or ARS 300.
ARS Upper Division Elective	3	C	
ARA OR ARE OR ARS OR ART Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	1	C	• Art Elective courses cannot be ARA 311, ARS 100 or ARS 300.
Upper Division Printmaking Elective	3	C	
ARA OR ARE OR ARS OR ART Upper Division Elective	3	C	
ARA OR ARE OR ARS OR ART Elective	2	C	
Elective	3		
Term hours subtotal:	12		

- Students must complete 9 hours of ARS coursework (not from ARS 100 or 300); must include 6 hours upper division, one Asian/African/Native Am./Latin Am. Focus course, and 2 upper division ARS electives. If students take a lower division Asian/African/Native Am./Latin Am. Focus course, both ARS electives must be upper division and one must include an HU general studies designation.

2D Art Course

ART 201: Photography I AND ART 202: Photography I Lab

ART 204: Photography II: Black and White

ART 205: Photography II: Color

ART 211: Drawing II

ART 214: Life Drawing I

ART 223: Painting I

ART 227: Watercolor I

3D Course

ART 216: Intermedia Practices

ART 218: 3D Tools

ART 231: Sculpture I

ART 261: Ceramic Survey

ART 272: Introduction to Metals and Jewelry

ART 274: Wood I

ART 276: Fibers I

ART 294: Introduction to Animation

2D or 3D Art Course

ART 201: Photography I AND ART 202: Photography I Lab

ART 204: Photography II: Black and White

ART 205: Photography II: Color

ART 211: Drawing II

ART 214: Life Drawing I

ART 216: Intermedia Practices

ART 218: 3D Tools

ART 223: Painting I

ART 227: Watercolor I

ART 231: Sculpture I

ART 261: Ceramic Survey

ART 272: Introduction to Metals and Jewelry

ART 274: Wood I

ART 276: Fibers I

ART 294: Introduction to Animation

Art History Asian/African/Native Am./Latin Am. Focus

ARS 302: Art/ Africa,Oceania & Americas (HU & H & G)

ARS 362: Pre-Columbian Art I (HU & H)

ARS 465: Native Art of North America (HU & C & H)

ARS 466: Native American Art of the Southwest (HU & C & H)

ARS 468: Art of the Arctic and Northwest Coast (HU & C & H)

ARS 469: Mexican Art (HU & H)

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

Printmaking Elective

ART 394: Special Topics

ART 445: Digital Processes for Printmaking

ART 451: Advanced Intaglio

ART 452: Advanced Lithography

ART 453: Experimental Printmaking:
Expanding the Matrix

ART 454: Advanced Screen Printing

ART 456: Fine Printing and Bookmaking
I

ART 457: Fine Printing and Bookmaking
II

ART 458: Papermaking

ART 459: Monoprinting

ART 461: Polymer Plate Prints

ART 494: Special Topics: *Printmaking

ART 499: Individualized Instruction

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Art (Sculpture), BFA

Herberger Institute for Design and the Arts

Tempe campus
FAARTSBFA

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARA 101: ASU: The Art Experience		1		- An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. - ASU Math Placement Exam score determines placement in Mathematics course. - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. - ARA 101: The Art Experience is required of freshman art majors only. - Sculpture majors must successfully complete a portfolio review for entrance into upper division coursework in the major and this typically takes place in term 4. For more information, visit: http://art.asu.edu/admissions/undergrad/applying/portfolio.php - ART 111 and 115 recommended for Sculpture majors in term 1.
Complete 2 courses: ART 111: Drawing I OR  ART 112: 2-D Design OR ART 115: 3-D Design OR ART 113: Color or ART 116: Introduction to Digital Media		6	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)		3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Mathematics (MA)		3		
Maintain 3.00 GPA in Art courses.				
Minimum 2.70 GPA ASU Cumulative.				
Term hours subtotal:		16		

Term 2 17 - 31 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)		3	C	- Students should complete either ART 113 or 116, not both. - ART 231 and ART 274 recommended for Sculpture majors in terms 2 or 3, and must be completed by term 3.
Complete 2 courses: ART 111: Drawing I OR ART 112: 2-D Design OR  ART 115: 3-D Design OR ART 113: Color or ART 116: Introduction to Digital Media OR ART 231: Sculpture I OR ART 274: Wood I		6	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Computer/Statistics/Quantitative Applications (CS)		3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Maintain 3.00 GPA in Art courses.				
Minimum 2.70 GPA ASU Cumulative.				
Term hours subtotal:		15		

Term 3 32 - 47 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes

Complete 2 courses: ART 111: Drawing I OR ART 112: 2-D Design OR ART 115: 3-D Design OR ART 113: Color or ART 116: Introduction to Digital Media OR ART 231: Sculpture I OR ART 274: Wood I			6	C	ART 231 and ART 274 recommended for Sculpture majors in terms 2 or 3, and must be completed by term 3.
Literacy and Critical Inquiry (L)			3		
Natural Science - Quantitative (SQ)			4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)			3		
Complete ARS 101 AND ARS 102 course(s). Complete ART 231 AND ART 274 course(s). Complete Mathematics (MA) requirement. Maintain 3.00 GPA in Art courses. Minimum 2.70 GPA ASU Cumulative. Complete First-Year Composition requirement.					
Term hours subtotal:			16		

Term 4 48 - 63 Credit Hours Critical course signified by		Hours	Minimum Grade	Notes
	2D Art Course	3	C	- Sculpture majors must successfully complete a portfolio review for entrance into upper division coursework in the major and this typically takes place in term 4. For more information, visit: http://art.asu.edu/admissions/undergrad/applying/portfolio.php. - Art Elective course cannot be ARA 311, ARS 100 or ARS 300. - Meet with academic advisor or faculty member once portfolio results are received.
	2D or 3D Art Course	3	C	
	ARA OR ARE OR ARS OR ART Elective	3	C	
	Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
	Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
	Milestone: Completion of successful portfolio review			
	Maintain 3.00 GPA in Art courses.			
	Minimum 2.70 GPA ASU Cumulative.			
Term hours subtotal:		16		

Term 5 64 - 78 Credit Hours Necessary course signified by		Hours	Minimum Grade	Notes
	ART 331: Sculpture II	3	C	- Students must complete 6 hours of upper division ARS coursework (not from ARS 300). One course must have HU designation. - Art Elective course cannot be ARA 311, ARS 100 or ARS 300.
	Upper Division Sculpture Elective	3	C	
	Upper Division ARS Elective AND Upper Division Humanities, Arts and Design (HU)	3	C	
	ARA OR ARE OR ARS OR ART Elective	3	C	
	Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:		15		

Term 6 79 - 93 Credit Hours Necessary course signified by		Hours	Minimum Grade	Notes
	ART 332: Sculpture III	3	C	

Upper Division Sculpture Elective	3	C
Upper Division ARS Elective	3	C
Upper Division Elective	3	
Elective	3	
Term hours subtotal:	15	

- Students must complete 6 hours of upper division ARS coursework (not from ARS 300).

Term 7 94 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 431: Special Problems in Sculpture	3	C	• Art Upper Division Elective courses cannot be ARA 311 or ARS 300.
Upper Division Sculpture Elective	3	C	
Complete 2 courses: ARA OR ARE OR ARS OR ART Upper Division Elective	6	C	
Elective	2		
Term hours subtotal:	14		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ART 482: Senior Exhibitions/Portfolio	1	C	• Art Upper Division Elective courses cannot be ARA 311 or ARS 300.
Upper Division Sculpture Elective	3	C	
Complete 2 courses: ARA OR ARE OR ARS OR ART Upper Division Elective	6	C	
Elective	3		
Term hours subtotal:	13		

2D Art Course

ART 201: Photography I AND ART 202: Photography I Lab

ART 204: Photography II: Black and White

ART 205: Photography II: Color

ART 211: Drawing II

ART 214: Life Drawing I

ART 223: Painting I

ART 227: Watercolor I

ART 253: Introduction to Printmaking

2D or 3D Art Course

ART 201: Photography I AND ART 202: Photography I Lab

ART 204: Photography II: Black and White

ART 205: Photography II: Color

ART 211: Drawing II

ART 214: Life Drawing I

ART 216: Intermedia Practices

ART 218: 3D Tools

ART 223: Painting I

ART 227: Watercolor I

ART 253: Introduction to Printmaking

ART 261: Ceramic Survey

ART 272: Introduction to Metals and Jewelry

ART 276: Fibers I

ART 294: Introduction to Animation

Upper Division Sculpture Elective

ART 333: Foundry Casting Methods

ART 345: Visualization and Prototyping

ART 374: Wood II

ART 431: Special Problems in Sculpture

ART 432: Neon Sculpture

ART 433: Foundry Casting Methods

ART 435: Foundry Research Methods

ART 436: Architectural Sculpture

ART 438: Moving and Interactive Systems in Sculpture

ART 474: Advanced Wood

ART 494: Sculpture

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Arts (BA in the Arts) - Arts Administration, BA

Herberger Institute for Design and the Arts

FAATSBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS) OR HDA 210: Creativity and Innovation in Design and the Arts	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • HDA 101: The Herberger Institute Experience is for freshman BA in the Arts majors only. • Arts Administration Coursework: Refer to focus area list for course selection.
 HDA 101: ASU & Herberger Institute Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Arts Discipline and Practice Course	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• Arts Administration Coursework: Refer to focus area list for course selection. • Please refer to Asian/African/Native Am./Latin Am. Historical Studies course list.
Arts Discipline and Practice Course	3	C	
Historical Studies with Asian/African/Native Am./Latin Am. Focus	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS) OR HDA 210: Creativity and Innovation in Design and the Arts	3	C	
MGT 290: My Life Venture	3	C	
NLM 220: Introduction to Nonprofit Organizations	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		

 Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Term hours subtotal:	16

Term 4 48 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 THP 351: Arts Management	3	C	
Related Studies course	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4		
Term hours subtotal:	13		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ARA 489: Writing Art and Design Criticism OR HDA 310: Socially Engaged Practice	3	C	Arts Administration Coursework: Refer to focus area list for course selection.
MGT 380: Management and Strategy for Nonmajors	3	C	
Upper Division Administration and Leadership Course	3	C	
Upper Division Arts Discipline and Practice Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 THP 352: Foundations of Arts Entrepreneurship	3	C	Arts Administration Coursework: Refer to focus area list for course selection.
ARA 489: Writing Art and Design Criticism OR HDA 310: Socially Engaged Practice	3	C	
Upper Division Administration and Leadership Course	3	C	
Complete 2 courses: Upper Division Arts Discipline and Practice Course	6	C	
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Capstone: Thesis or Independent Research Project	3	C	- For Upper Division Capstone, please consult with faculty/advisor for appropriate course options. - For Upper Division Internship, please refer to Administration and Leadership Focus course list.
Complete 2 courses: Upper Division Arts Discipline and Practice Course	6	C	
Upper Division Internship	3	C	
Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Capstone: Thesis or Independent Research Project	3	C	Arts Administration Coursework: Refer to focus area list for course selection.

ACC 382: Accounting and Financial Analysis or FIN 380: Personal Financial Management	3	C
MKT 395: Essentials of Advertising and Marketing Communication or MKT 390: Essentials of Marketing	3	C
Related Studies course	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Term hours subtotal:	15	

area list for course selection.

- For Upper Division Capstone, please consult with faculty/advisor for appropriate course options.

Arts Discipline and Practice: Select 7 courses; 21 credits. Must include 3 disciplines; 6 hours of 20th Century coursework

AME 394: Media Literacies and Composition

ARA 202: Understanding Photographs

ARA 498: Photography and Language

ARS 101: Art from Prehistory Through Middle Ages (HU & H)

ARS 458: Critical Theories in the Visual Arts (HU)

ART 110: Drawing as Seeing and Thinking (HU)

DCE 100: Introduction to Dance (HU & G)

DCE 203: Walk this Way

DCE 300: Moving Histories (HU)

DCE 301: Meaning in Motion (L or HU)

DCE 303: The Body Condition(ed) (SB)

FMP 201: Film: The Creative Process I (HU)

FMP 250: Sex and Violence in Film and TV: Ethics Survey

MHL 140: Music as Culture (HU & G)

MHL 341: Music History I (HU)

MTC 125: Basic Music Theory

MTC 221: Music Theory: 18th Century

MTC 222: Music Theory: 19th Century

MTC 223: Music Theory: 20th Century

MUS 100: Fundamentals of Music Notation

MUS 131: Bach to Bebop

THE 322: Theatre History and Culture (HU & H)

THE 403: Independent Film (HU)

THE 404: World Cinema (G)

THE 405: Film: Great Performers and Directors (HU)

THE 422: Latina and Latino Theatre and Film (HU & C)

THE 423: African American Theatre (C)

THE 424: Trends in Theatre for Youth

THE 426: Pre-Columbian Theatre of the Americas

THF 101: Acting Introduction

Historical Studies with
Asian/African/Native Am./Latin Am.
Focus: Select 1 course; 3 credits

ALA 100: Introduction to Environmental Design (HU & H & G)

ALA 102: Landscapes and Sustainability (HU & G)

APH 300: World Architecture I/Western Cultures (HU & H & G)

APH 313: History of Architecture I ((L or HU) & G & H)

APH 314: History of Architecture II ((L or HU) & G & H)

ARS 201: Art of Asia (HU & H & G)

ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)

ARS 302: Art/ Africa,Oceania & Americas (HU & H & G)

ARS 362: Pre-Columbian Art I (HU & H)

ARS 465: Native Art of North America (HU & C & H)

ARS 466: Native American Art of the Southwest (HU & C & H)

ARS 468: Art of the Arctic and Northwest Coast (HU & C & H)

ARS 469: Mexican Art (HU & H)

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

DCE 201: Dance, Culture, and Global Contexts. (HU & G)

DCE 402: Ethnography of Dance Practices ((L or HU) & G)

DSC 101: Design Awareness (HU & G)

MHL 140: Music as Culture (HU & G)

MHL 344: Music in World Cultures (HU & G)

MHL 466: North American Indian Music ((L or HU) & C)

MUS 347: Jazz in America (HU & C)

THE 404: Foreign Films and Filmmakers (G)

THE 422: Latina and Latino Theatre and Film (HU & C)

THE 423: African American Theatre

THE 426: Pre-Columbian Theatre of the Americas

Administration and Leadership: Select 2 courses; 6 credits and 1 internship; 9 credits

Must include 2 disciplines; 1 internship

ARA 394: Museum Educators

ARA 396: Professional Practices for Artists

ARA 460: Gallery Exhibitions

FMP 417: Business Ethics in Entertainment

FMP 494: Producing Practices in Film and Media

HDA 410: Seminar in Socially Engaged Practice

HDA 420: Design and the Arts Business Administration

THP 450: Theatre Organization and Management

THP 451: Student Production Board

THP 452: Arts Entrepreneurship Seminar

THP 482: Theatre for Social Change (C)

Choose 1 internship from the options listed below:

ARS 484: Internship

DCE 484: Internship

FMP 484: Internship

HDA 484: Internship

MUE 484: Internship

THE 484: Internship

Related Studies: Select 2 courses; 6 credits

CIS 300: Web Design and Development

ECN 382: Managerial Economics

FIN 380: Personal Financial Management

NLM 300: Fund Raising and Resource Development

NLM 302: Inclusive Community Development (C)

NLM 310: Volunteer Management

NLM 430: Managing Nonprofit Organizations (L)

NLM 435: Service Learning for Community Development

PAF 300: Public Management and Administration

PRM 210: Community Services and Professions.

PRM 486: Special Events Management

TDM 205: Introduction to Travel and
Tourism (G)

TDM 345: Meeting and Convention
Planning

TDM 350: Tourism Marketing

TDM 372: Tourism Planning (L)

TDM 386: Convention Sales and
Management

TDM 448: Heritage and Cultural Tourism

TDM 458: International Tourism (G)

URB 220: Introduction to Urban America

URB 240: Urban Policy (C)

URB 300: Urban and Metropolitan
Studies

URB 302: Urban Theory

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Arts (BA in the Arts) - Entertainment Design, BA

Herberger Institute for Design and the Arts

FAATSBA

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	HDA 101: ASU & Herberger Institute Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Mathematics Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. HDA 101: The Herberger Institute Experience is required for freshman BA in the Arts majors only. • Arts Disciplinary Coursework: Refer to focus area list for course selection.
	AME 111: Introduction to Digital Culture (CS) OR HDA 210: Creativity and Innovation in Design and the Arts	3	C	
	Arts Disciplinary Course	3	C	
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
	Mathematics (MA)	3		
	Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
	Term hours subtotal:	16		
Term 2 17 - 31 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	Arts Disciplinary Course	3	C	• Arts Disciplinary Coursework: Refer to focus area list for course selection. • Please refer to Asian/African/Native Am./Latin Am. Historical Studies course list.
	Historical Studies with Asian/African/Native Am./Latin Am. Focus	3	C	
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
	Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
	Elective	3		
	Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
	Term hours subtotal:	15		
Term 3 32 - 47 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	AME 111: Introduction to Digital Culture (CS) OR HDA 210: Creativity and Innovation in Design and the Arts	3	C	• Please refer to related Historical and Theoretical course list.
	Related Historical and Theoretical Course	3	C	
	Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
	Literacy and Critical Inquiry (L)	3		

Natural Science - Quantitative (SQ)	4
 Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Term hours subtotal:	16

Term 4 48 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Arts as Business Elective	3	C	- Arts as Business Coursework: Refer to focus area list for course selection. - Electives to be determined in consultation with faculty mentor.
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4		
Elective	3		
Term hours subtotal:	13		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ARA 489: Writing Art and Design Criticism OR HDA 310: Socially Engaged Practice	3	C	- Arts Disciplinary Coursework: Refer to focus area list for course selection. - Please refer to related Historical and Theoretical course list. - Electives to be determined in consultation with faculty mentor.
Complete 2 courses: Upper Division Arts Disciplinary Course	6	C	
Upper Division Related Historical and Theoretical Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 THP 352: Foundations of Arts Entrepreneurship	3	C	- Arts Disciplinary Coursework: Refer to focus area list for course selection. - Electives to be determined in consultation with faculty mentor.
 FIN 380: Personal Financial Management or BUA 381: Small Business Accounting and Finance	3	C	
ARA 489: Writing Art and Design Criticism OR HDA 310: Socially Engaged Practice	3	C	
Upper Division Arts Disciplinary Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Capstone: Thesis or Independent Research Project	3	C	- For Upper Division Capstone, please consult with faculty/advisor for appropriate course options. - Arts Disciplinary Coursework: Refer to focus area list for course selection. - Electives to be determined in consultation with faculty mentor.
 THP 452: Arts Entrepreneurship Seminar	3	C	
Upper Division Arts Disciplinary Course	3	C	
Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★		Hours	Minimum Grade	Notes
★	Upper Division Capstone: Thesis or Independent Research Project	3	C	• For Upper Division Capstone, please consult with faculty/advisor for appropriate course options. • Arts Disciplinary Coursework: Refer to focus area list for course selection. • Arts as Business Coursework: Refer to focus area list for course selection. • Electives to be determined in consultation with faculty mentor.
	Upper Division Arts Disciplinary Course	3	C	
	Arts as Business Elective	3	C	
	Upper Division Literacy and Critical Inquiry (L)	3		
	Upper Division Elective	3		
Term hours subtotal:		15		

Arts as Business Electives: Select 2 courses; 6 credits

CIS 300: Web Design and Development

ENG 301: Writing for the Professions (L)

MKT 390: Essentials of Marketing

NLM 220: Introduction to Nonprofit Organizations

NLM 300: Fund Raising and Resource Development

Historical Studies with Asian/African/Native Am./Latin Am. Focus: Select 1 course; 3 credits

ALA 100: Introduction to Environmental Design (HU & H & G)

ALA 102: Landscapes and Sustainability (HU & G)

APH 300: World Architecture I/Western Cultures (HU & H & G)

APH 313: History of Architecture I ((L or HU) & G & H)

APH 314: History of Architecture II ((L or HU) & G & H)

ARS 201: Art of Asia (HU & H & G)

ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)

ARS 302: Art/ Africa, Oceania & Americas (HU & H & G)

ARS 362: Pre-Columbian Art I (HU & H)

ARS 465: Native Art of North America (HU & C & H)

ARS 466: Native American Art of the Southwest (HU & C & H)

ARS 468: Art of the Arctic and Northwest Coast (HU & C & H)

ARS 469: Mexican Art (HU & H)

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

DCE 201: Dance, Culture, and Global
Contexts. (HU & G)

DCE 402: Ethnography of Dance
Practices ((L or HU) & G)

DSC 101: Design Awareness (HU & G)

MHL 140: Music as Culture (HU & G)

MHL 344: Music in World Cultures (HU
& G)

MHL 466: North American Indian Music
((L or HU) & C)

MUS 347: Jazz in America (HU & C)

THE 404: World Cinema (G)

THE 422: Latina and Latino Theatre and
Film (HU & C)

THE 423: African American Theatre (C)

THE 426: Pre-Columbian Theatre of the
Americas

Related Historical and Theoretical
Coursework: Select 2 courses; 6 credits

AME 394: Media Literacies and
Composition

AME 494: Experiential Media
Methodology and Theory I

ARA 202: Understanding Photographs

ARA 394: Museum Educators

ARA 498: Photography and Language

ARS 101: Art from Prehistory Through
Middle Ages (HU & H)

ARS 102: Art from Renaissance to
Present (HU & H)

ARS 458: Critical Theories in the Visual
Arts (HU)

ARS Upper Division Elective

DCE 201: Dance, Culture, and Global
Contexts. (HU & G)

DCE 300: Moving Histories (HU)

DCE 301: Meaning in Motion (L or HU)

FMP 250: Sex and Violence in Film and
TV: Ethics Survey

MHL 140: Music as Culture (HU & G)

MHL 341: Music History I (HU)

MHL 342: Music History II (HU)

MHL Upper Division Elective

MTC 125: Basic Music Theory

MTC 221: Music Theory: 18th Century

MTC 222: Music Theory: 19th Century

MTC 223: Music Theory: 20th Century

THE 322: Theatre History and Culture
(HU & H)

THE 403: Independent Film (HU)

THE 404: World Cinema (G)

THE 405: Film: Great Performers and
Directors (HU)

THE 422: Latina and Latino Theatre and
Film (HU & C)

THE 423: African American Theatre (C)

THE 424: Trends in Theatre for Youth

THE 426: Pre-Columbian Theatre of the
Americas

Arts Disciplinary Coursework: Select 7
courses; 21 credits. Must include 3
disciplines; 2 design courses from within
theatre

AME 112: Computational Thinking for
Digital Culture

AME 194: Prototyping Dreams

AME 294: Programming for Media Arts

AME 394: Compositional &
Computational Principles for Media

AME 394: How to Build a
Digital-Physical System

AME 394: Motion Capture for Integrated
Systems

AME 494: Advanced Interactive Sound

AME 494: Advanced Interactive Sound

AME 494: Programming for Social and
Interactive Media

ARA 460: Gallery Exhibitions

ART 110: Drawing as Seeing and
Thinking (HU)

ART 116: Introduction to Digital Media

ART 201: Photography I AND ART 202:
Photography I Lab

ART 272: Introduction to Metals and
Jewelry

ART 274: Wood I

ART 276: Fibers I

ART 294: The Still Image in Digital
Culture

ART 294: Introduction to Animation

ART 346: 3-D Computer Imaging and
Animation (CS)

ART 348: Animation Motion Studies

ART 494: Artists' Books

ARS 102: Art from Renaissance to Present (HU & H)

ARS 345: Art and Television

DCE 100: Introduction to Dance (HU & G)

DCE 203: Walk this Way

DCE 240: Media for Dance (CS)

DCE 300: Moving Histories (HU)

DCE 303: The Body Condition(ed) (SB)

DCE 405: Rhetorical Moves (L or HU)

DSC 236: Introduction to Computer Modeling (CS)

DSC 394: Design Entrepreneurship & Society

EDS 223: Design Thinking

FMP 201: Film: The Creative Process I (HU)

FMP 294: Introduction to Animation

FMP 250: Sex and Violence in Film and TV: Ethics Survey

FMP 300: Film Production for Nonmajors

FMP 394: Introduction to Visual Effects

FMP 394: Non-Linear Editing for Film and Media

FMP 494: Art Direction

GRA 101: Designing Life

GRA 401: Creative Environment

IAP 104: Foundations I: Fundamentals of Sound Art

IAP 321: Music Composition I

IAP 322: Multitrack Digital Recording

IAP 325: Sound Performance: Exploring Alternative Performance Groups

IND 242: Materials and Design

IND 344: Human Factors in Design

INT 351: Ambient Environment

INT 310: History of Interior Design I (HU & H)

INT 446: Furniture Design and Production

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

MUP 319: Advanced Audio Engineering in the Arts

MUP 494: The Enterprising Musician

MUS 100: Fundamentals of Music Notation

MUS 210: The Arts Around Us (HU)

MUS 211: Dance, Music and Meaning (HU)

MUS 212: Music, Meaning and Imagination (HU)

MUS 294: Music and Society

MUS 294: Producing Hip Hop and Dance Music

MUS 294: Song Production with Garage Band

MUS 294: Songwriting

MUS 340: Music for the Concert Hall, Stage, and Screen (HU & H)

MUS 354: Country Music (HU)

MUS 354: Jazz Giants (HU)

MUS 355: American Music (HU & C & H)

MUS 356: Broadway and the American Musical (HU)

MUS 362: Rap Music and Hip Hop Culture (HU & C)

MUS 371: World Music (HU & G)

THE 430: History of Fashion

THF 160: Introduction to Storytelling

THF 215: Design and Composition for Theatre and Film

THP 194: Understanding Acting

THP 201: Theatre Production Crew

THP 213: Introduction to Technical Theatre

THP 214: Introduction to Costuming

THP 301: Theatre Production , Construction Crew , Construction/Scenery , Costume Construction , Directing , Eurydice Construction Downtown , Lighting , Lighting, Sound, Media , Make-Up , Production , Production Promotion & Marketing , Props , Set Construction , Sound , Stage Management , Theatrical Construction , Wardrobe

THP 317: Stage Management

THP 330: Costume Design

THP 335: Advanced Stagecraft

THP 340: Scene Design

THP 345: Lighting Design

THP 350: Sound Design

THP 351: Arts Management

THP 355: Media Design for Performance

THP 394: Pattern Drafting for Theatre

THP 431: Advanced Costume Construction

THP 435: Technical Direction

THP 440: Advanced Scene Design

THP 441: Scene Painting

THP 442: Drawing

THP 444: Drafting for the Stage

THP 450: Theatre Organization and
Management

THP 455: Advanced Media Design

THP 494: Art Direction

THP 494: Makeup

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Arts (BA in the Arts) - Fashion Design, BA

Herberger Institute for Design and the Arts
FAATSBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS) OR HDA 210: Creativity and Innovation in Design and the Arts	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. HDA 101: The Herberger Institute Experience is for freshman BA in the Arts majors only.
 ART 110: Drawing as Seeing and Thinking (HU)	3	C	
 HDA 101: ASU & Herberger Institute Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 THP 214: Introduction to Costuming	4	C	• Please refer to Asian/African/Native Am./Latin Am. Historical Studies course list.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Historical Studies with Asian/African/Native Am./Latin Am. Focus	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ALA 100: Introduction to Environmental Design (HU & H & G) OR DSC 101: Design Awareness (HU & G) OR EDS 223: Design Thinking	3	C	• Please refer to Fashion Design Elective course list.
 AME 111: Introduction to Digital Culture (CS) OR HDA 210: Creativity and Innovation in Design and the Arts	3	C	
Fashion Design Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ART 276: Fibers I	3	C	In Term 5, THE 430 History of Fashion is a necessary course which requires students to have a 2.5 GPA.
 EDS 200: Design Literacy and Communication	3	C	
 IND 243: Design for Ecology and Social Equity	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ARA 489: Writing Art and Design Criticism OR HDA 310: Socially Engaged Practice	3	C	
 ART 376: Woven Structures I	3	C	
 FIN 380: Personal Financial Management OR BUA 381: Small Business Accounting and Finance	3	C	
 THE 430: History of Fashion	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ART 377: Surface Design	3	C	Please refer to Fashion Design Elective course list.
 THP 331: Costume Construction	3	C	
 THP 352: Foundations of Arts Entrepreneurship	3	C	
ARA 489: Writing Art and Design Criticism OR HDA 310: Socially Engaged Practice	3	C	
Upper Division Fashion Design Elective	3	C	
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 THP 442: Drawing	3	C	- For Upper Division Capstone, please consult with faculty/advisor for appropriate course options. - Please refer to Fashion Design Elective course list.
 THP 457: Digital Portfolio	3	C	
 Upper Division Capstone: Thesis or Independent Research Project	3	C	
Upper Division Fashion Design Elective	3	C	
Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ THP 452: Arts Entrepreneurship Seminar OR THP 351: Arts Management OR DSC 394: Design Entrepreneurship & Society	3	C
★ Upper Division Capstone: Thesis or Independent Research Project	3	C
Upper Division Fashion Design Elective	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Term hours subtotal:		12

- For Upper Division Capstone, please consult with faculty/advisor for appropriate course options.
- Please refer to Fashion Design Elective course list.

Fashion Design Electives; Select 4 courses; 12 credits

ALA 121: Design Fundamentals I

AME 194: Prototyping Dreams

AME 394: How to Build a Digital-Physical System

AME 394: Motion Capture for Integrated Systems

ARA 396: Professional Practices for Artists

ART 214: Life Drawing I

ART 314: Life Drawing II

ART 354: Screen Printing I

ART 476: Woven Structures II

ART 477: Printed Textiles

ART 479: 3-D Fibers

GRA 101: Designing Life

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

GRA 121: Principles for Graphic Design I

GRA 421: Exhibit Design

IND 227: Visual Methods for Problem Solving

IND 316: 20th-Century Design I (HU & H)

IND 344: Human Factors in Design

THF 215: Design and Composition for Theatre and Film

THP 330: Costume Design

THP 340: Scene Design

THP 345: Lighting Design

THP 394: Pattern Drafting for Theatre

THP 431: Advanced Costume Construction

THP 494: Makeup

THP 494: Patterning & Draping

THP 494: Garment Construction

Historical Studies with
Asian/African/Native Am./Latin Am.
Focus: Select 1 course; 3 credits

ALA 100: Introduction to Environmental
Design (HU & H & G)

ALA 102: Landscapes and Sustainability
(HU & G)

APH 300: World Architecture I/Western
Cultures (HU & H & G)

APH 313: History of Architecture I ((L or
HU) & G & H)

APH 314: History of Architecture II ((L or
HU) & G & H)

ARS 201: Art of Asia (HU & H & G)

ARS 202: Art of Africa, Oceania, and the
Americas (HU & H & G)

ARS 302: Art/ Africa,Oceania &
Americas (HU & H & G)

ARS 362: Pre-Columbian Art I (HU & H)

ARS 465: Native Art of North America
(HU & C & H)

ARS 466: Native American Art of the
Southwest (HU & C & H)

ARS 468: Art of the Arctic and Northwest
Coast (HU & C & H)

ARS 469: Mexican Art (HU & H)

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

DCE 201: Dance, Culture, and Global
Contexts. (HU & G)

DCE 402: Ethnography of Dance
Practices ((L or HU) & G)

DSC 101: Design Awareness (HU & G)

MHL 140: Music as Culture (HU & G)

MHL 344: Music in World Cultures (HU
& G)

MHL 466: North American Indian Music
((L or HU) & C)

MUS 347: Jazz in America (HU & C)

THE 404: World Cinema (G)

THE 422: Latina and Latino Theatre and
Film (HU & C)

THE 423: African American Theatre (C)

THE 426: Pre-Columbian Theatre of the
Americas

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

General University Requirements Legend

General Studies Core Requirements:

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
**Hrs Resident Credit for
Academic Recognition:** 56 minimum
Total Community College Hrs: 64
maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative
Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

- Historical Awareness (H)
- First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Arts (BA in the Arts) - Historical & Theoretical Studies in Arts, BA
 Herberger Institute for Design and the Arts
 FAATSBA

Term 1 0 - 17 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS) OR HDA 210: Creativity and Innovation in Design and the Arts	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • HDA 101: The Herberger Institute Experience is required of all freshman BA in the Arts majors only. • Historical & Theoretical Coursework: Refer to focus area list for course selection.
 HDA 101: ASU & Herberger Institute Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Historical and Theoretical Arts Studies	3	C	
Second Language	4	C	
Mathematics (MA)	3		
Term hours subtotal:	17		

Term 2 18 - 33 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• Historical & Theoretical Coursework: Refer to focus area list for course selection. • Complete Second Language 101 and 102 by the end of semester 4.
Historical and Theoretical Arts Studies	3	C	
Second Language	4	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 34 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS) OR HDA 210: Creativity and Innovation in Design and the Arts	3	C	• Complete Second Language 101 and 102 by the end of semester 4.
 Second Language	4	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		

❗ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Term hours subtotal: 14

Term 4 48 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ Historical Studies with Asian/African/Native Am./Latin Am. Focus	3	C	• Historical Studies course: Refer to Historical Studies with Asian/African/Native Am./Latin Am./ Focus area course list.
❗ Second Language	4	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4		
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ARA 489: Writing Art and Design Criticism OR HDA 310: Socially Engaged Practice	3	C	• Historical & Theoretical Coursework: Refer to focus area list for course selection.
Upper Division Historical and Theoretical Arts Studies	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THP 352: Foundations of Arts Entrepreneurship	3	C	• Historical & Theoretical Coursework: Refer to focus area list for course selection.
★ ARA 489: Writing Art and Design Criticism OR HDA 310: Socially Engaged Practice	3	C	
Complete 2 courses: Upper Division Historical and Theoretical Arts Studies	6	C	
Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Capstone: Thesis or Independent Research Project	3	C	• For Upper Division Capstone, please consult with faculty/advisor for appropriate course options. • Historical & Theoretical Coursework: Refer to focus area list for course selection. • Historical Related Studies: Refer to Historical Studies subject list for course recommendations and consult with advisor regarding specific course options.
Complete 2 courses: Upper Division Historical and Theoretical Arts Studies	6	C	
Upper Division Historical Related Studies course	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★		Hours	Minimum Grade	Notes
★	Upper Division Capstone: Thesis or Independent Research Project	3	C	- For Upper Division Capstone, please consult with faculty/advisor for appropriate course options. - Historical & Theoretical Coursework: Refer to focus area list for course selection. - Historical Related Studies: Refer to Historical Studies subject list for course recommendations and consult with advisor regarding specific course options.
	Upper Division Historical and Theoretical Arts Studies	3	C	
	Upper Division Historical Related Studies course	3	C	
	Upper Division Literacy and Critical Inquiry (L)	3		
	Elective	2		
	Term hours subtotal:	14		

Historical & Theoretical Arts Studies: Select 8 courses; 24 credits

Must include coursework from all 4 disciplines: ARS, DCE, MHL, THE; 2 Asian/African/Native Am./Latin Am. courses; 18 upper-division credits

AME 394: Media Literacies and Composition

ARA 202: Understanding Photographs

ARA 394: Museum Educators

ARA 498: Photography and Language

ARS 101: Art from Prehistory Through Middle Ages (HU & H)

ARS 102: Art from Renaissance to Present (HU & H)

ARS 458: Critical Theories in the Visual Arts (HU)

ARS 494: Special Topics

ARS 498: Pro-Seminar

ARS Upper Division Elective

ART 110: Drawing as Seeing and Thinking (HU)

DCE 201: Dance, Culture, and Global Contexts. (HU & G)

DCE 300: Moving Histories (HU)

DCE 301: Meaning in Motion (L or HU)

FMP 250: Sex and Violence in Film and TV: Ethics Survey

MHL 140: Music as Culture (HU & G)

MHL 341: Music History I (HU)

MHL 342: Music History II (HU)

MHL 494: Special Topics

MHL Upper Division Elective

MTC 125: Basic Music Theory

MTC 221: Music Theory: 18th Century

MTC 222: Music Theory: 19th Century

MTC 223: Music Theory: 20th Century

MUS 131: Bach to Bebop

THE 322: Theatre History and Culture
(HU & H)

THE 403: Independent Film (HU)

THE 405: Film: Great Performers and
Directors (HU)

THE 422: Latina and Latino Theatre and
Film (HU & C)

THE 423: African American Theatre (C)

THE 424: Trends in Theatre for Youth

THE 426: Pre-Columbian Theatre of the
Americas

THE 494: Special Topics

THE Upper Division Elective

Historical Studies with
Asian/African/Native Am./Latin Am.
Focus: Select 1 course; 3 credits

ALA 100: Introduction to Environmental
Design (HU & H & G)

ALA 102: Landscapes and Sustainability
(HU & G)

APH 300: World Architecture I/Western
Cultures (HU & H & G)

APH 313: History of Architecture I ((L or
HU) & G & H)

APH 314: History of Architecture II ((L or
HU) & G & H)

ARS 201: Art of Asia (HU & H & G)

ARS 202: Art of Africa, Oceania, and the
Americas (HU & H & G)

ARS 302: Art/ Africa,Oceania &
Americas (HU & H & G)

ARS 362: Pre-Columbian Art I (HU & H)

ARS 465: Native Art of North America
(HU & C & H)

ARS 466: Native American Art of the
Southwest (HU & C & H)

ARS 468: Art of the Arctic and Northwest
Coast (HU & C & H)

ARS 469: Mexican Art (HU & H)

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

DCE 201: Dance, Culture, and Global
Contexts. (HU & G)

DCE 402: Ethnography of Dance Practices ((L or HU) & G)

DSC 101: Design Awareness (HU & G)

MHL 140: Music as Culture (HU & G)

MHL 344: Music in World Cultures (HU & G)

MHL 466: North American Indian Music ((L or HU) & C)

MUS 347: Jazz in America (HU & C)

THE 404: World Cinema (G)

THE 422: Latina and Latino Theatre and Film (HU & C)

THE 423: African American Theatre (C)

THE 426: Pre-Columbian Theatre of the Americas

Second Language (not American Sign Language): 16 credits

Sixteen hours in one language or demonstrated proficiency (through the 202 level or above).

Language proficiency is important due to the vast amount of arts research available in languages other than English.

Historical Related Studies: Select 2 courses; 6 upper division credits

Must include historical or theoretical courses in other disciplines: See potential prefixes below. Please contact your advisor for additional options.

African/African American Studies or **AFR** Elective

American Indian Studies or **AIS** Elective

Anthropology or **ASB** Elective or **ASM** Elective

Architecture or **ALA** Elective or **APH** Elective or **ATE** Elective

Chicano/a Studies or **TCL** Elective

Design or **ALA** Elective or **DSC** Elective or **EDS** Elective or **GRA** Elective or **IND** Elective or **INT** Elective or **LPH** Elective

English or **ENG** Elective

History or **HST** Elective

Literature or **ENG** Elective

Philosophy or **PHI** Elective

Religious Studies or **REL** Elective

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Arts (BA in the Arts) - Individualized Focus, BA

Herberger Institute for Design and the Arts

FAATSBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 111: Introduction to Digital Culture (CS) OR HDA 210: Creativity and Innovation in Design and the Arts	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College Specific equivalent First Year Seminar required of all freshman students. • HDA 101: The Herberger Institute Experience is required of all freshman BA in the Arts majors only. • Work with Herberger Institute faculty and academic advisor regarding focus area course options and the development of your curriculum proposal. Proposal should be submitted by term 4.
 HDA 101: ASU & Herberger Institute Experience	1	C	
Focus Area Course	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		
Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• Work with Herberger Institute faculty and academic advisor regarding focus area course options and the development of your curriculum proposal. Proposal should be submitted by term 4. • For Historical Studies with Asian/African/Native Am./Latin Am. Focus course options, please refer to Historical Studies with Asian/African/Native Am./Latin Am. Focus course list.
Complete 2 courses: Focus Area Course	6	C	
Historical Studies with Asian/African/Native Am./Latin Am. Focus	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Minimum

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Grade	Notes
 AME 111: Introduction to Digital Culture (CS) OR HDA 210: Creativity and Innovation in Design and the Arts	3	C	• Work with Herberger Institute faculty and academic advisor regarding focus area course options and the development of your curriculum proposal. Proposal should be submitted by term 4.
Complete 2 courses: Focus Area Course	6	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Complete 2 courses: Focus Area Course	6	C	
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4		
 Milestone: Meet with Herberger Institute advisor to complete curriculum proposal process.			
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ARA 489: Writing Art and Design Criticism OR HDA 310: Socially Engaged Practice	3	C	• Refer to Historical and Theoretical Studies course list for course options.
Complete 2 courses: Upper Division Historical and Theoretical Arts Studies Course	6	C	
Focus Area Course	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 THP 352: Foundations of Arts Entrepreneurship	3	C	• Work with Herberger Institute academic advisor regarding focus area course options as part of your curriculum proposal.
 ARA 489: Writing Art and Design Criticism OR HDA 310: Socially Engaged Practice	3	C	
Upper Division Historical and Theoretical Arts Studies Course	3	C	
Complete 2 courses: Upper Division Focus Area Course	6	C	
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Capstone: Thesis or Independent Research Project	3	C	• Work with Herberger Institute academic advisor regarding focus area course options as part of your curriculum proposal as
Complete 2 courses: Upper Division Focus Area Course	6	C	
Upper Division Historical and Theoretical Arts Studies Course	3	C	

Upper Division Literacy and Critical Inquiry (L)	3
Term hours subtotal:	15

well as the capstone requirement.

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Capstone: Thesis or Independent Research Project	3	C	• Work with Herberger Institute academic advisor regarding focus area course options as part of your curriculum proposal as well as the capstone requirement.
Complete 2 courses: Upper Division Focus Area Course	6	C	
Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12		

Historical Studies with
Asian/African/Native Am./Latin Am.
Focus: Select 1 course; 3 credits

ALA 100: Introduction to Environmental
Design (HU & H & G)

ALA 102: Landscapes and Sustainability
(HU & G)

APH 300: World Architecture I/Western
Cultures (HU & H & G)

APH 313: History of Architecture I ((L or
HU) & G & H)

APH 314: History of Architecture II ((L or
HU) & G & H)

ARS 201: Art of Asia (HU & H & G)

ARS 202: Art of Africa, Oceania, and the
Americas (HU & H & G)

ARS 302: Art/ Africa,Oceania &
Americas (HU & H & G)

ARS 362: Pre-Columbian Art I (HU & H)

ARS 465: Native Art of North America
(HU & C & H)

ARS 466: Native American Art of the
Southwest (HU & C & H)

ARS 468: Art of the Arctic and Northwest
Coast (HU & C & H)

ARS 469: Mexican Art (HU & H)

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

DCE 201: Dance, Culture, and Global
Contexts. (HU & G)

DCE 402: Ethnography of Dance
Practices ((L or HU) & G)

DSC 101: Design Awareness (HU & G)

MHL 140: Music as Culture (HU & G)

MHL 344: Music in World Cultures (HU & G)

MHL 466: North American Indian Music (L or HU) & C)

MUS 347: Jazz in America (HU & C)

THE 404: World Cinema (G)

THE 422: Latina and Latino Theatre and Film (HU & C)

THE 423: African American Theatre (C)

THE 426: Pre-Columbian Theatre of the Americas

Historical & Theoretical Arts Studies:
Select 4 courses; 12 credits

AME 394: Media Literacies and Composition

AME 494: Experiential Media Methodology and Theory I

ARA 202: Understanding Photographs

ARA 394: Museum Educators

ARA 498: Photography and Language

ARS 101: Art from Prehistory Through Middle Ages (HU & H)

ARS 102: Art from Renaissance to Present (HU & H)

ARS 458: Critical Theories in the Visual Arts (HU)

ARS 494: Special Topics

ARS 498: Pro-Seminar

ARS Upper Division Elective

ART 110: Drawing as Seeing and Thinking (HU)

DCE 201: Dance, Culture, and Global Contexts. (HU & G)

DCE 300: Moving Histories (HU)

DCE 301: Meaning in Motion (L or HU)

FMP 250: Sex and Violence in Film and TV: Ethics Survey

MHL 140: Music as Culture (HU & G)

MHL 341: Music History I (HU)

MHL 342: Music History II (HU)

MHL 494: Special Topics

MHL Upper Division Elective

MTC 125: Basic Music Theory

MTC 221: Music Theory: 18th Century

MTC 222: Music Theory: 19th Century

MTC 223: Music Theory: 20th Century

MUS 131: Bach to Bebop

THE 322: Theatre History and Culture
(HU & H)

THE 403: Independent Film (HU)

THE 404: World Cinema (G)

THE 405: Film: Great Performers and
Directors (HU)

THE 422: Latina and Latino Theatre and
Film (HU & C)

THE 423: African American Theatre (C)

THE 424: Trends in Theatre for Youth

THE 426: Pre-Columbian Theatre of the
Americas

THE 494: Special Topics

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative
Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Dance, BFA

Herberger Institute for Design and the Arts
Tempe campus
FADANBFA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Milestone: School of Dance students must successfully complete an entrance interview into the major before enrolling at ASU.			• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Dance majors take DCE 170 to complete this requirement. • One Personal Movement Practices course (DCE 133, 134, 135, or 136) is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.
 DCE 130: First-Year Movement Practices I	2	C	
 DCE 160: First-Year Creative Practices I	3	C	
 DCE 170: First-Year Seminar I	1	Y	
 DCE 133: Urban Movement Practices I OR DCE 134: Postmodern Contemporary I OR DCE 135: Contemporary Ballet I OR DCE 136: Introduction to Movement Language Sources	2-3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Elective	2		
Term hours subtotal:	16-17		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DCE 131: First-Year Movement Practices II	2	C	• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course (DCE 133, 134, 135, or 136) in this term for general elective credit if their schedule allows.
 DCE 161: First-Year Creative Practices II	3	C	
 DCE 171: First-Year Seminar II	1	Y	
 DCE 133: Urban Movement Practices I OR DCE 134: Postmodern Contemporary I OR DCE 135: Contemporary Ballet I OR DCE 136: Introduction to Movement Language Sources	2-3	C	
DCE 201: Dance, Culture, and Global Contexts. (HU & G)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16-17		

Term 3 33 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DCE 230: Second-Year Movement Practices I	2	C	- One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows. - Advancement in Personal Movement Practices is determined by instructor.
 DCE 260: Second-Year Creative Practices I	3	C	
 DCE 270: Second-Year Seminar I	1	Y	
 Personal Movement Practice Course	2-3	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	15-16		

Term 4 48 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DCE 231: Second-Year Movement Practices II	2	C	- One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows. - Advancement in Personal Movement Practices is determined by instructor.
 DCE 261: Second-Year Creative Practices II	3	C	
 DCE 271: Second-Year Seminar II	1	Y	
 DCE 300: Moving Histories (HU)	3	C	
 DCE 354: Creative Approaches to Teaching Dance I	3	C	
Personal Movement Practice Course	2-3	C	
 Complete DCE 201 course.			
Term hours subtotal:	14-15		

Term 5 62 - 77 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 DCE 360: Third-Year Creative Practices I	3	C	One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.
DCE 301: Meaning in Motion (L or HU)	3	C	
DCE 330: Third-Year Movement Practices I	2	C	
DCE 356: Creative Approaches to Teaching Dance II	3	C	
Personal Movement Practice Course	3	C	
Elective	2		
Term hours subtotal:	16		

Term 6 78 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 DCE 361: Third-Year Creative Practices II	3	C	One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.
DCE 331: Third-Year Movement Practices II	2	C	
DCE 402: Ethnography of Dance Practices ((L or HU) & G)	3	C	
Personal Movement Practice Course	2-3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14-15		

- Advancement in Personal Movement Practices is determined by instructor.

Term 7	92 - 105 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	DCE 460: Transition Project I		2	C	
	Upper Division Personal Movement Practice Course		3	C	
	DCE Upper Division Elective		3	C	
	Computer/Statistics/Quantitative Applications (CS) OR DCE 240: Media for Dance (CS)		3		
	Social-Behavioral Sciences (SB) AND Historical Awareness (H)		3		
	Term hours subtotal:		14		

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	DCE 461: Transition Project II		2	C	
	DCE Upper Division Elective		3	C	
	Humanities, Arts and Design (HU)		3		
	Complete 2 courses: Upper Division Elective		7		
	Term hours subtotal:		15		

Personal Movement Practices
DCE 133: Urban Movement Practices I
DCE 134: Postmodern Contemporary I
DCE 135: Contemporary Ballet I
DCE 136: Introduction to Movement Language Sources
DCE 233: Urban Movement Practices II
DCE 234: Postmodern Contemporary II
DCE 235: Contemporary Ballet II
DCE 236: Movement Language Sources
DCE 333: Urban Movement Practices III
DCE 334: Postmodern Contemporary III
DCE 335: Contemporary Ballet III
DCE 336: Movement Language Sources

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum

General University Requirements Legend
 General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

 First-Year Composition

Total Community College Hrs: 64
maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Dance (Dance Education), BFA

Herberger Institute for Design and the Arts
Tempe campus
FADANEBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Milestone: School of Dance students must successfully complete an entrance interview into the major before enrolling at ASU.			• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Dance majors complete DCE 170 to fulfill this requirement. • One Personal Movement Practices course (DCE 133, 134, 135, or 136) is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.
 DCE 130: First-Year Movement Practices I	2	C	
 DCE 160: First-Year Creative Practices I	3	C	
 DCE 170: First-Year Seminar I	1	Y	
 DCE 133: Urban Movement Practices I OR DCE 134: Postmodern Contemporary I OR DCE 135: Contemporary Ballet I OR DCE 136: Introduction to Movement Language Sources	2-3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Term hours subtotal:	14-15		

Term 2 15 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DCE 131: First-Year Movement Practices II	2	C	• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course (DCE 133, 134, 135, or 136) in this term for general elective credit if their schedule allows. • Complete DCE 201 by end of term 3.
 DCE 161: First-Year Creative Practices II	3	C	
 DCE 171: First-Year Seminar II	1	Y	
 DCE 133: Urban Movement Practices I OR DCE 134: Postmodern Contemporary I OR DCE 135: Contemporary Ballet I OR DCE 136: Introduction to Movement Language Sources	2-3	C	
DCE 201: Dance, Culture, and Global Contexts. (HU & G)	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			

Term hours subtotal: 17-18

Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DCE 230: Second-Year Movement Practices I	2	C	• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows. • Advancement in Personal Movement Practice courses is determined by instructor. • Teachers College requirement: Must complete a Natural Science (SQ or SG) by end of term 4.
 DCE 260: Second-Year Creative Practices I	3	C	
 DCE 270: Second-Year Seminar I	1	Y	
 Personal Movement Practice Course	2-3	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H) OR GCU 113: United States and Arizona Social Studies (SB & H)	3		
 Complete DCE 201 course.			
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	15-16		

Term 4 47 - 64 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DCE 231: Second-Year Movement Practices II	2	C	• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows. • Teachers College requirement: apply for DPS fingerprint clearance card.
 DCE 261: Second-Year Creative Practices II	3	C	
 DCE 271: Second-Year Seminar II	1	Y	
 DCE 300: Moving Histories (HU)	3	C	
 DCE 354: Creative Approaches to Teaching Dance I	3	C	
 Personal Movement Practice Course	2	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	18		

Term 5 65 - 80 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 DCE 360: Third-Year Creative Practices I	3	C	• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows. • Teachers College Requirement: attend Teachers College Enrollment Workshop. • Teachers College Requirement: submit copy of DPS fingerprint card to Teachers College (Farmer 120).
BLE 220: Foundations of Structured English Immersion	3	C	
DCE 301: Meaning in Motion (L or HU)	3	C	
DCE 330: Third-Year Movement Practices I	2	C	
DCE 356: Creative Approaches to Teaching Dance II	3	C	
Personal Movement Practice Course	2	C	
Term hours subtotal:	16		

Minimum

Term 6 81 - 95 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ SED 396: Clinical Experience I	1	C	• Begin Teachers College courses for certification.
DCE 331: Third-Year Movement Practices II	2	C	
DCE 361: Third-Year Creative Practices II	3	C	
DCE 402: Ethnography of Dance Practices ((L or HU) & G)	3	C	
EDP 313: Childhood and Adolescence (SB)	3	C	
Personal Movement Practice Course	3	C	
Term hours subtotal:	15		

Term 7 96 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 496: Clinical Experience III	1	C	• One Personal Movement Practices course is required this term, but students may take an additional Personal Movement Practices course in this term for general elective credit if their schedule allows.
BLE 407: SEI for Secondary Students	3	C	
RDG 323: Literacy Processes in Content Areas	3	C	
Upper Division Personal Movement Practice Course	3	C	
Computer/Statistics/Quantitative Applications (CS) OR DCE 240: Media for Dance (CS)	3		
Term hours subtotal:	13		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching in the Secondary School	12	C	
Term hours subtotal:	12		

Personal Movement Practices

DCE 133: Urban Movement Practices I

DCE 134: Postmodern Contemporary I

DCE 135: Contemporary Ballet I

DCE 136: Introduction to Movement
Language Sources

DCE 233: Urban Movement Practices II

DCE 234: Postmodern Contemporary II

DCE 235: Contemporary Ballet II

DCE 236: Movement Language Sources

DCE 333: Urban Movement Practices III

DCE 334: Postmodern Contemporary III

DCE 335: Contemporary Ballet III

DCE 336: Movement Language Sources

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

General University Requirements Legend

General Studies Core Requirements:

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
**Hrs Resident Credit for
Academic Recognition:** 56 minimum
Total Community College Hrs: 64
maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative
Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

- Historical Awareness (H)
- First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Design Studies, BA

Herberger Institute for Design and the Arts

Tempe campus
ARDSNBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HDA 101: ASU & Herberger Institute Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Design studies students complete HDA 101 or DSC 100 to fulfill this requirement.
 Freshman Design Elective	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Mathematics (MA)	3		
Elective	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Freshman Design Elective	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		15	

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Sophomore Design History	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			

⚠ Minimum 2.00 GPA ASU Cumulative.

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours **Critical course signified by** ⚠

	Hours	Minimum Grade	Notes
Sophomore Communication for Design	3	C	
Sophomore General Design	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		

⚠ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 16

Term 5 64 - 78 Credit Hours **Necessary course signified by** ★

	Hours	Minimum Grade	Notes
★ Upper Division Junior/Senior Design History	3	C	
Upper Division Junior/Senior Communication for Design	3	C	
Upper Division Junior/ Senior General Design	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		

Term hours subtotal: 15

Term 6 79 - 93 Credit Hours **Necessary course signified by** ★

	Hours	Minimum Grade	Notes
★ Upper Division Junior/Senior Design History	3	C	
Upper Division Junior/Senior Communication for Design	3	C	
Upper Division Junior/ Senior General Design	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		

Term hours subtotal: 15

Term 7 94 - 108 Credit Hours **Necessary course signified by** ★

	Hours	Minimum Grade	Notes
★ Upper Division Junior/Senior Design History	3	C	
Upper Division Junior/Senior Communication for Design	3	C	
Upper Division Junior/ Senior General Design	3	C	
Complete 2 courses: Elective	6		

Term hours subtotal: 15

Term 8 109 - 120 Credit Hours **Necessary course signified by** ★

	Hours	Minimum Grade	Notes
★ Upper Division Junior/Senior Design History	3	C	

Upper Division Junior/Senior Communication for Design	3	C
Upper Division Junior/ Senior General Design	3	C
Elective	3	
Term hours subtotal:		12

Freshman Design Electives: Select 2 courses; 6 credits

AAD OR ADE OR ALA OR ANP OR
APH OR ARP OR ATE OR AVC OR
DSC OR GRA OR HUD OR IND OR
INT OR LAA OR LAP OR LDE OR LNP
OR LPH OR LTC OR PLA OR PUP
Elective

Sophomore Design History: Select 1 course; 3 credits

ALA 100: Introduction to Environmental Design (HU & H & G)

DSC 101: Design Awareness (HU & G)

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

INT 111: Interior Design Issues and Theories (HU)

Sophomore General Design: Select 1 course; 3 credits

ALA 102: Landscapes and Sustainability (HU & G)

APH 212: Culture of Place (HU)

EDS 223: Design Thinking

GRA 101: Designing Life

GRA 225: Communication/Interaction Design Theory

IND 242: Materials and Design

IND 243: Design for Ecology and Social Equity

INT 121: Introduction to Computer Modeling for Interior Design (CS)

INT 123: Introduction to Computer-Aided Design of Built Environments

INT 131: Design and Human Behavior (SB)

PUP 190: Sustainable Cities ((HU or SB) & G)

PUP 200: Cities in Cinema (HU & H & G)

Sophomore Communication for Design: Select 1 course; 3 credits

COM 100: Introduction to Human Communication (SB)

COM 110: Elements of Interpersonal Communication (SB)

COM 225: Public Speaking (L)

COM 230: Small Group Communication (SB)

COM 250: Introduction to Organizational Communication (SB)

COM 259: Communication in Business and the Professions

HDA 210: Creativity and Innovation in Design and the Arts

Junior/ Senior Design History: Select 4 courses; 12 credits

APH 300: World Architecture I/Western Cultures (HU & H & G)

APH 305: Contemporary Architecture (HU & H)

APH 313: History of Architecture I ((L or HU) & G & H)

APH 314: History of Architecture II ((L or HU) & G & H)

APH 336: 20th-Century Architecture I (HU)

APH 337: 20th-Century Architecture II (HU)

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

INT 415: Latin American Design

LPH 310: History of Landscape Architecture (HU & H & G)

LPH 311: 20th-Century Landscape Architecture (HU)

PUP 363: History of Planning

Junior/ Senior General Design: Select 4 courses; 12 credits

ARA 460: Gallery Exhibitions

ARS 494: Introduction to Museums

DSC 394: Design Entrepreneurship & Society

DSC 494: Practice Management

GRA 401: Creative Environment

GRA 440: Finding Purpose

IND 344: Human Factors in Design

IND 354: Principles of Product Design

INT 471: Facilities Management

PUP 301: Introduction to Urban Planning (L)

PUP 420: Theory of Urban Design (HU)

Junior/ Senior Communication for Design:
Select 4 courses; 12 credits

ARA 396: Professional Practices for
Artists

ARA 489: Writing Art and Design
Criticism

COM 312: Communication, Conflict, and
Negotiation

DSC 394: Design Entrepreneurship &
Society

DSC 494: Economics of Building Design

DSC 494: Practice Management

ENG 301: Writing for the Professions (L)

HDA 420: Design and the Arts Business
Administration

MKT 390: Essentials of Marketing

MKT 391: Essentials of Selling

MKT 395: Essentials of Advertising and
Marketing Communication

THP 352: Foundations of Arts
Entrepreneurship

THP 452: Arts Entrepreneurship Seminar

TWC 301: General Principles of
Multimedia Writing (L)

TWC 347: Written Communication for
Managers (L)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Design Studies (Design Management), BA

Herberger Institute for Design and the Arts

Tempe campus
ARDSNMBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HDA 101: ASU & Herberger Institute Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Design studies majors complete HDA 101 or DSC 100 to fulfill this requirement.
 Freshman Design Elective	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Mathematics (MA)	3		
Elective	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Freshman Design Elective	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		15	

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Sophomore Design History Course	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			

 Minimum 2.00 GPA ASU Cumulative.

Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours **Critical course signified by**

Hours

**Minimum
Grade**

Notes

Sophomore Communication for Design Course

3

C

Sophomore General Design Course

3

C

Computer/Statistics/Quantitative Applications (CS)

3

Humanities, Arts and Design (HU) AND Historical Awareness (H)

3

Natural Science - General (SG) OR
Natural Science - Quantitative (SQ)

4

 Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 16

Term 5 64 - 78 Credit Hours **Necessary course signified by**

Hours

**Minimum
Grade**

Notes

 Upper Division Junior Design History Course

3

C

Upper Division Junior General Design Course

3

C

Upper Division Junior Communication for Design Course

3

C

Upper Division Literacy and Critical Inquiry (L)

3

Elective

3

Term hours subtotal: 15

Term 6 79 - 93 Credit Hours **Necessary course signified by**

Hours

**Minimum
Grade**

Notes

 Upper Division Junior Design History Course

3

C

Upper Division Junior General Design Course

3

C

Upper Division Junior Communication for Design Course

3

C

Upper Division Humanities, Arts and Design (HU) OR
Upper Division Social-Behavioral Sciences (SB)

3

Upper Division Elective

3

Term hours subtotal: 15

Term 7 94 - 108 Credit Hours **Necessary course signified by**

Hours

**Minimum
Grade**

Notes

 Complete 2 courses:
Upper Division Senior List Design Studies Course

6

C

Lower Division Senior List Design Studies Course

3

C

Upper Division Elective

3

Elective

3

Term hours subtotal: 15

Term 8 109 - 120 Credit Hours **Necessary course signified by**

Hours

**Minimum
Grade**

Notes

 Complete 2 courses:
Upper Division Senior List Design Studies Course

6

C

Lower Division Senior List Design Studies Course	3	C
Upper Division Elective	3	
Term hours subtotal:	12	

Freshman Design Electives: Select 2 courses; 6 credits

AAD OR ADE OR ALA OR ANP OR
APH OR ARP OR ATE OR AVC OR
DSC OR GRA OR HUD OR IND OR
INT OR LAA OR LAP OR LDE OR LNP
OR LPH OR LTC OR PLA OR PUP
Elective

Sophomore Design History: Select 1 course; 3 credits

ALA 100: Introduction to Environmental Design (HU & H & G)

DSC 101: Design Awareness (HU & G)

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

INT 111: Interior Design Issues and Theories (HU)

Sophomore General Design: Select 1 course; 3 credits

ALA 102: Landscapes and Sustainability (HU & G)

APH 212: Culture of Place (HU)

EDS 223: Design Thinking

GRA 101: Designing Life

GRA 225: Communication/Interaction Design Theory

IND 242: Materials and Design

IND 243: Design for Ecology and Social Equity

INT 121: Introduction to Computer Modeling for Interior Design (CS)

INT 123: Introduction to Computer-Aided Design of Built Environments

INT 131: Design and Human Behavior (SB)

PUP 190: Sustainable Cities ((HU or SB) & G)

PUP 200: Cities in Cinema (HU & H & G)

Sophomore Communication for Design: Select 1 course; 3 credits

COM 100: Introduction to Human Communication (SB)

COM 110: Elements of Interpersonal Communication (SB)

COM 225: Public Speaking (L)

COM 230: Small Group Communication (SB)

COM 250: Introduction to Organizational Communication (SB)

COM 259: Communication in Business and the Professions

HDA 210: Creativity and Innovation in Design and the Arts

Junior Design History: Select 2 courses; 6 credits

APH 300: World Architecture I/Western Cultures (HU & H & G)

APH 305: Contemporary Architecture (HU & H)

APH 313: History of Architecture I ((L or HU) & G & H)

APH 314: History of Architecture II ((L or HU) & G & H)

APH 336: 20th-Century Architecture I (HU)

APH 337: 20th-Century Architecture II (HU)

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

INT 415: Latin American Design

LPH 310: History of Landscape Architecture (HU & H & G)

LPH 311: 20th-Century Landscape Architecture (HU)

PUP 363: History of Planning

Junior General Design: Select 2 courses; 6 credits

ARA 460: Gallery Exhibitions

DSC 494: Practice Management

GRA 401: Creative Environment

GRA 440: Finding Purpose

IND 344: Human Factors in Design

IND 354: Principles of Product Design

PUP 301: Introduction to Urban Planning (L)

PUP 420: Theory of Urban Design (HU)

Junior Communication for Design: Select 2 courses; 6 credits

ARA 396: Professional Practices for Artists

ARA 489: Writing Art and Design
Criticism

COM 312: Communication, Conflict, and
Negotiation

DSC 394: Design Entrepreneurship &
Society

ENG 301: Writing for the Professions (L)

HDA 420: Design and the Arts Business
Administration

MKT 390: Essentials of Marketing

MKT 391: Essentials of Selling

MKT 395: Essentials of Advertising and
Marketing Communication

TWC 301: General Principles of
Multimedia Writing (L)

TWC 347: Written Communication for
Managers (L)

Senior List Lower division: Select 2
courses; 6 credits

COM 100: Introduction to Human
Communication (SB)

COM 110: Elements of Interpersonal
Communication (SB)

COM 225: Public Speaking (L)

COM 230: Small Group Communication
(SB)

COM 250: Introduction to Organizational
Communication (SB)

COM 259: Communication in Business
and the Professions

COM 263: Elements of Intercultural
Communication (SB & C & G)

ECN 211: Macroeconomic Principles
(SB)

ECN 212: Microeconomic Principles (SB)

MGT 290: My Life Venture

PHI 103: Principles of Sound Reasoning
(L or HU)

PHI 105: Intro to Ethics (HU)

Senior List Upper division: Select 4
courses; 12 credits

ACC 382: Accounting and Financial
Analysis

ARA 396: Professional Practices for
Artists

ARA 489: Writing Art and Design
Criticism

COM 312: Communication, Conflict, and
Negotiation

DSC 394: Design Entrepreneurship &
Society

DSC 494: Economics of Building Design

DSC 494: Practice Management

ECN 382: Managerial Economics

ENG 301: Writing for the Professions (L)

FIN 380: Personal Financial Management

HDA 420: Design and the Arts Business Administration

INT 471: Facilities Management

LES 380: Consumer Perspective of Business Law

MGT 380: Management and Strategy for Nonmajors

MKT 390: Essentials of Marketing

MKT 391: Essentials of Selling

MKT 395: Essentials of Advertising and Marketing Communication

PHI 306: Applied Ethics (HU)

PHI 360: Business and Professional Ethics (HU)

SOC 324: Work and the Workplace (SB & H)

THP 352: Foundations of Arts Entrepreneurship

THP 452: Arts Entrepreneurship Seminar

TWC 301: General Principles of Multimedia Writing (L)

TWC 347: Written Communication for Managers (L)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Digital Culture (Art), BA

Herberger Institute for Design and the Arts

Tempe campus
HIDGCABA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 101: ASU Digital Culture Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.
 AME 111: Introduction to Digital Culture (CS)	3	C	
 ARS 102: Art from Renaissance to Present (HU & H) OR ARS 250: History of Photography (HU)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 112: Computational Thinking for Digital Culture	3	C	• AME 112 is offered in the spring only. Students who begin the Digital Culture program in a spring semester should take AME 112 in their first term. • All Digital Culture majors must pass a degree milestone at the end of their first year to continue in the program. Students who do not meet the milestone requirements will not be able to continue in the Digital Culture program.
Lower Division Digital Media - Media Arts & Design Course	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Milestone: Must have a minimum 3.0 GPA in Digital Culture coursework, a minimum 2.5 ASU cumulative GPA, and have completed AME 111, AME 112, and MAT 117 or higher with a grade of C or better by end of term 2 in order to continue in the Digital Culture program.			
Term hours subtotal:	15		
Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Lower Division Digital Culture Studies	3	C	
Lower Division Digital Media - Media Arts & Design Course	3	C	

ART 111: Drawing I or ART 112: 2-D Design or ART 113: Color	3	C
PHY 101: Introduction to Physics (SQ) OR Natural Science - Quantitative (SQ)	4	
Social-Behavioral Sciences (SB)	3	
❗ Complete MAT 210 course.		
❗ Maintain 3.00 GPA in Digital Culture coursework.		
❗ Minimum 2.50 GPA ASU Cumulative.		
Complete First-Year Composition requirement.		
Term hours subtotal:	16	

Term 4 48 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
ART 216: Intermedia Practices	3	C	
Lower Division Digital Culture Studies	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
❗ Maintain 3.00 GPA in Digital Culture coursework.			
❗ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 385: Collaborative Projects and Research I	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Digital Media - Media Arts and Design Course	3	C	
Theory/History Course	3	C	
Related Digital Culture Course	3	C	
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 386: Collaborative Projects and Research II	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Studio Art	3	C	
Upper Division Theory/History Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 485: Digital Culture Capstone I	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Art History	3	C	
Upper Division Related Digital Culture Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Digital Media - Media Engineering Course	3	C	
Upper Division Concentration Course	3	C	
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Digital Media - Media Arts and Design
Course List: Select 3 courses; 9 credits

AME 194: Digital Culture Studio

AME 494: Advanced Interactive Sound

ANP 494: Design by Algorithm

ART 194: Digital Art and Culture

ART 294: The Still Image in Digital
Culture

ART 494: Visual Prototyping

FMP 294: Introduction to Animation

FMP 294: Story Development for Game
Design

FMP 394: Non-Linear Editing for Film
and Media

IAP 103: Foundations I: Interdisciplinary
Digital Media

IAP 104: Foundations I: Fundamentals of
Sound Art

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for
Hybrid Ensembles

Digital Culture Studies Course List: Select
6 courses; 18 credits

AME 194: Prototyping Dreams

AME 294: Programming for Media Arts

AME 294: Programming for the Web

AME/ART 294: Introduction to
Interactive Environments

AME 394: Compositional &
Computational Principles for Media

AME 394: How to Build a
Digital-Physical System

AME 394: Media Literacies and
Composition

AME 394: Motion Capture for Integrated
Systems

AME 494: Animating Virtual Worlds

AME 494: Integrated System
Development

AME 494: Media Installations

AME 494: Programming for Social and
Interactive Media

AME 494: Understanding Activity

ANP 494: Designing Hybrid Spaces

ANP 394: Digital Modeling and
Fabrication

ART 218: 3D Tools

DCE 294:
Hybrid Action: Physical Intelligence in Digital Culture

DSC 294: Media Editing

Theory/History Course List: Select 2
courses; 6 credits (3 upper-division)

ALA 100: Introduction to Environmental
Design (HU & H & G)

ALA 102: Landscapes and Sustainability
(HU & G)

APH 300: World Architecture I/Western
Cultures (HU & H & G)

APH 313: History of Architecture I ((L or
HU) & G & H)

APH 314: History of Architecture II ((L or
HU) & G & H)

APH 336: 20th-Century Architecture I
(HU)

APH 337: 20th-Century Architecture II
(HU)

ARA 202: Understanding Photographs

ARA 498: Photography and Language

ARS 102: Art from Renaissance to
Present (HU & H)

ARS 345: Art and Television

ARS 438: Art of the 20th Century I (HU
& H)

ARS 439: Art of the 20th Century II (HU & H)

ARS 440: Identity and World Film

ARS 460: Art Now

DCE 300: Moving Histories (HU)

DSC 101: Design Awareness (HU & G)

ENG 394: Video Game Theory

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LPH 310: History of Landscape Architecture (HU & H & G)

LPH 311: 20th-Century Landscape Architecture (HU)

MHL 440: Music Since 1900 (L or HU)

MHL 494: Music and Movement in Urban Culture

MUS 347: Jazz in America (HU & C)

MUS 356: Broadway and the American Musical (HU)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU & H)

THE 403: Independent Film (HU)

THE 404: World Cinema (G)

THE 405: Film: Great Performers and Directors (HU)

THP 482: Theatre for Social Change (C)

Related Digital Culture Course List:
Select 2 courses; 6 credits (3 upper-division)

ARE 494: Digital Ethnography in Virtual Worlds

ASB 328: Rules, Games, and Society (L)

ASB 344: Technology and Society (L or SB)

ASB 430: Social Simulation (CS)

EDT 210: Games, Technology and Society

HDA 210: Creativity and Innovation in Design and the Arts

HDA 310: Socially Engaged Practice

IAP 102: Foundations I: Performance Techniques and Composition

IAP 105: Foundations I: Fundamentals of Visual Art (CS)

MCO 435: Social Media

MGT 290: My Life Venture

OMT 402: Legal Issues for Technologists

RDG 440: Computer Gaming, Learning, and Literacy

SOC 334: Technology and Society (L or SB)

TEM 311: Opportunity Analysis

THP 352: Foundations of Arts Entrepreneurship

Upper Division Studio Art: Select 1 course; 3 credits

ART 346: 3-D Computer Imaging and Animation (CS)

ART 439: Intermedia Studio

ART 442: Art and Community

ART 445: Digital Processes for Printmaking

ART 494: Digital Fibers

Upper Division Art History: Select 1 course; 3 credits

ARS 345: Art and Television

ARS 438: Art of the 20th Century I (HU & H)

ARS 440: Identity and World Film

ARS 460: Art Now

ARS 494: Introduction to Museums

Digital Media - Media Engineering Course List: Select 1 course; 3 credits

CSE 394: Data Struct, Analysis & Ret for Digital Culture

EEE 394: Signal Analysis for the Digital Culture

GIT 335: Computer Systems Technology

Upper-Division Concentration Course List: Select 1 course; 3 credits

ARS 345: Art and Television

ARS 438: Art of the 20th Century I (HU & H)

ARS 439: Art of the 20th Century II (HU & H)

ARS 440: Identity and World Film

ARS 460: Art Now

ARS 494: Introduction to Museums

ART 346: 3-D Computer Imaging and Animation (CS)

ART 439: Intermedia Studio

ART 442: Art and Community

ART 445: Digital Processes for Printmaking

ART 494: Digital Fibers

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Digital Culture (Arts and Design Studies), BA

Herberger Institute for Design and the Arts

Tempe campus
HIDCADSBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 101: ASU Digital Culture Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement. • Choose to take all courses either in The Arts core or the Design Studies core, not both. • The Arts Core Course: ARS 102 • Design Studies Core Course: GRA 101
 AME 111: Introduction to Digital Culture (CS)	3	C	
 The Arts Core OR Design Studies Core Course	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 112: Computational Thinking for Digital Culture	3	C	• AME 112 is offered in the spring only. Students who begin the Digital Culture program in a spring semester should take AME 112 in their first term. • All Digital Culture majors must pass a degree milestone at the end of their first year to continue in the program. Students who do not meet the milestone requirements will not be able to continue in the Digital Culture program.
Lower Division Digital Media - Media Arts & Design Course	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Milestone: Must have a minimum 3.0 GPA in Digital Culture coursework, a minimum 2.5 ASU cumulative GPA, and have completed AME 111, AME 112, and MAT 117 or higher with a grade of C or better by end of term 2 in order to continue in the Digital Culture program.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Lower Division Digital Culture Studies	3	C	- The Arts Core course: HDA 210. - Design Studies Core course: GRA 225.
Lower Division Digital Media - Media Arts & Design Course	3	C	
The Arts Core OR Design Studies Core Course	3	C	
PHY 101: Introduction to Physics (SQ) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete MAT 210 course.			
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Lower Division Digital Culture Studies	3	C	- The Arts Core course: THP 352. - Design Studies Core course: INT 121.
The Arts Core OR Design Studies Core Course	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AME 385: Collaborative Projects and Research I	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Digital Media - Media Arts and Design Course	3	C	
Theory/History	3	C	
Related Digital Culture	3	C	
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AME 386: Collaborative Projects and Research II	3	C	- The Arts Core course: HDA 310. - Design Studies Core course: IND 344.
Upper Division Digital Culture Studies	3	C	
The Arts Core OR Design Studies Core Course	3	C	
Upper Division Theory/History	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		

Maintain 3.00 GPA in Digital Culture coursework.

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15

Term 7	94 - 108 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	AME 485: Digital Culture Capstone I		3	C	• The Arts Core course: ARA 489. • Design Studies Core course: GRA 401.
	Upper Division Digital Culture Studies		3	C	
	Upper Division The Arts Core OR Design Studies Core Course		3	C	
	Upper Division Related Digital Culture		3	C	
	Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)		3		
	Maintain 3.00 GPA in Digital Culture coursework.				
	Minimum 2.50 GPA ASU Cumulative.				
	Term hours subtotal:		15		

Term 8	109 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	AME 486: Digital Culture Capstone II		3	C	
	Upper Division Digital Culture Studies		3	C	
	Upper Division Digital Media - Media Engineering Course		3	C	
	The Arts Core Elective OR Design Studies Core Elective		3	C	
	Maintain 3.00 GPA in Digital Culture coursework.				
	Minimum 2.50 GPA ASU Cumulative.				
	Term hours subtotal:		12		

- Digital Culture and Concentration coursework: refer to additional notes and program advisor for course selection.
- Choose to take all courses either in the Arts Core or the Design Studies Core, not both.

The Arts Core: Select 5 courses; 15 credits

ARS 102: Art from Renaissance to
Present (HU & H)

HDA 210: Creativity and Innovation in
Design and the Arts

THP 352: Foundations of Arts
Entrepreneurship

HDA 310: Socially Engaged Practice

ARA 489: Writing Art and Design
Criticism

Design Studies Core: Select 5 courses; 15
credits

GRA 101: Designing Life

GRA 225: Communication/Interaction
Design Theory

INT 121: Introduction to Computer Modeling for Interior Design (CS)

IND 344: Human Factors in Design

GRA 401: Creative Environment

Digital Media - Media Arts and Design
Course List: Select 3 courses; 9 credits

AME 194: Digital Culture Studio

AME 494: Advanced Interactive Sound

ANP 494: Design by Algorithm

ART 194: Digital Art and Culture

ART 294: The Still Image in Digital Culture

ART 494: Visual Prototyping

FMP 294: Introduction to Animation

FMP 294: Story Development for Game Design

FMP 394: Non-Linear Editing for Film and Media

IAP 103: Foundations I: Interdisciplinary Digital Media

IAP 104: Foundations I: Fundamentals of Sound Art

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

Digital Culture Studies Course List: Select 6 courses; 18 credits

AME 194: Prototyping Dreams

AME 294: Programming for Media Arts

AME 294: Programming for the Web

AME/ART 294: Introduction to Interactive Environments

AME 394: Compositional & Computational Principles for Media

AME 394: How to Build a Digital-Physical System

AME 394: Media Literacies and Composition

AME 394: Motion Capture for Integrated Systems

AME 494: Animating Virtual Worlds

AME 494: Integrated System Development

AME 494: Media Installations

AME 494: Programming for Social and Interactive Media

AME 494: Understanding Activity

ANP 494: Designing Hybrid Spaces

ANP 394: Digital Modeling and Fabrication

ART 218: 3D Tools

DCE 294:
HybridAction:PhysicalIntelligenceinDigitalCulture

DSC 294: Media Editing

Theory/History Course List: Select 2
courses; 6 credits (3 upper-division)

ALA 100: Introduction to Environmental
Design (HU & H & G)

ALA 102: Landscapes and Sustainability
(HU & G)

APH 300: World Architecture I/Western
Cultures (HU & H & G)

APH 313: History of Architecture I ((L or
HU) & G & H)

APH 314: History of Architecture II ((L or
HU) & G & H)

APH 336: 20th-Century Architecture I
(HU)

APH 337: 20th-Century Architecture II
(HU)

ARA 202: Understanding Photographs

ARA 498: Photography and Language

ARS 102: Art from Renaissance to
Present (HU & H)

ARS 345: Art and Television

ARS 438: Art of the 20th Century I (HU
& H)

ARS 439: Art of the 20th Century II (HU
& H)

ARS 440: Identity and World Film

ARS 460: Art Now

DCE 300: Moving Histories (HU)

DSC 101: Design Awareness (HU & G)

ENG 394: Video Game Theory

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

IAP 305: 20th and 21st Century Art,
Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU &
H)

IND 317: 20th-Century Design II (HU &
H)

INT 111: Interior Design Issues and
Theories (HU)

INT 310: History of Interior Design I (HU
& H)

INT 311: History of Interior Design II
(HU & H)

LPH 310: History of Landscape
Architecture (HU & H & G)

LPH 311: 20th-Century Landscape
Architecture (HU)

MHL 440: Music Since 1900 (L or HU)

MHL 494: Music and Movement in Urban
Culture

MUS 347: Jazz in America (HU & C)

MUS 356: Broadway and the American
Musical (HU)

THE 320: History of the Theatre I (HU &
H)

THE 322: Theatre History and Culture
(HU & H)

THE 403: Independent Film (HU)

THE 404: World Cinema (G)

THE 405: Film: Great Performers and
Directors (HU)

THP 482: Theatre for Social Change (C)

Related Digital Culture Course List:
Select 2 courses; 6 credits (3
upper-division)

ARE 494: Digital Ethnography in Virtual
Worlds

ASB 328: Rules, Games, and Society (L)

ASB 344: Technology and Society (L or
SB)

ASB 430: Social Simulation (CS)

EDT 210: Games, Technology and
Society

HDA 210: Creativity and Innovation in
Design and the Arts

HDA 310: Socially Engaged Practice

IAP 102: Foundations I: Performance
Techniques and Composition

IAP 105: Foundations I: Fundamentals of
Visual Art (CS)

MCO 435: Social Media

MGT 290: My Life Venture

OMT 402: Legal Issues for Technologists

RDG 440: Computer Gaming, Learning,
and Literacy

SOC 334: Technology and Society (L or
SB)

TEM 311: Opportunity Analysis

THP 352: Foundations of Arts
Entrepreneurship

The Arts Core Elective List: Select 1
course; 3 credits

ALA 100: Introduction to Environmental
Design (HU & H & G)

ALA 102: Landscapes and Sustainability
(HU & G)

APH 300: World Architecture I/Western Cultures (HU & H & G)

APH 313: History of Architecture I ((L or HU) & G & H)

APH 314: History of Architecture II ((L or HU) & G & H)

ARS 201: Art of Asia (HU & H & G)

ARS 202: Art of Africa, Oceania, and the Americas (HU & H & G)

ARS 302: Art/ Africa,Oceania & Americas (HU & H & G)

ARS 362: Pre-Columbian Art I (HU & H)

ARS 465: Native Art of North America (HU & C & H)

ARS 466: Native American Art of the Southwest (HU & C & H)

ARS 468: Art of the Arctic and Northwest Coast (HU & C & H)

ARS 469: Mexican Art (HU & H)

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

DCE 201: Dance, Culture, and Global Contexts. (HU & G)

DCE 402: Ethnography of Dance Practices ((L or HU) & G)

DSC 101: Design Awareness (HU & G)

MHL 140: Music as Culture (HU & G)

MHL 344: Music in World Cultures (HU & G)

MHL 466: North American Indian Music ((L or HU) & C)

MUS 347: Jazz in America (HU & C)

THE 404: World Cinema (G)

THE 422: Latina and Latino Theatre and Film (HU & C)

THE 423: African American Theatre (C)

THE 426: Pre-Columbian Theatre of the Americas

Design Studies Core Elective List: Select 1 course; 3 credits

ARA 489: Writing Art and Design Criticism

APH Upper Division Elective

GRA Upper Division Elective

IND Upper Division Elective

INT Upper Division Elective

LPH Upper Division Elective

Digital Media - Media Engineering Course List: Select 1 course; 3 credits

CSE 394: Data Struct, Analysis & Ret for
Digital Culture

EEE 394: Signal Analysis for the Digital
Culture

GIT 335: Computer Systems Technology

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Digital Culture (Design), BA

Herberger Institute for Design and the Arts

Tempe campus
HIDGCDBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 101: ASU Digital Culture Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.
 AME 111: Introduction to Digital Culture (CS)	3	C	
 DSC 101: Design Awareness (HU & G) OR GRA 101: Designing Life	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 112: Computational Thinking for Digital Culture	3	C	• AME 112 is offered in the spring only. Students who begin the Digital Culture program in a spring semester should take AME 112 in their first term. • All Digital Culture majors must pass a degree milestone at the end of their first year to continue in the program. Students who do not meet the milestone requirements will not be able to continue in the Digital Culture program.
Lower Division Digital Media - Media Arts and Design	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Milestone: Must have a minimum 3.0 GPA in Digital Culture coursework, a minimum 2.5 ASU cumulative GPA, and have completed AME 111, AME 112, and MAT 117 or higher with a grade of C or better by end of term 2 in order to continue in the Digital Culture program.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
IND 242: Materials and Design OR IND 243: Design for Ecology and Social Equity OR GRA 294: Dynamic Visual Representation	3	C	
Lower Division Digital Culture Studies	3	C	

Lower Division Digital Media - Media Arts and Design	3	C
PHY 101: Introduction to Physics (SQ) OR Natural Science - Quantitative (SQ)	4	
Social-Behavioral Sciences (SB)	3	
❗ Complete MAT 210 course.		
❗ Maintain 3.00 GPA in Digital Culture coursework.		
❗ Minimum 2.50 GPA ASU Cumulative.		
Complete First-Year Composition requirement.		
Term hours subtotal:	16	

Term 4 48 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
Lower Division Digital Culture Studies	3	C	
APH OR IND OR GRA OR LPH OR INT Lower Division Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
❗ Maintain 3.00 GPA in Digital Culture coursework.			
❗ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 385: Collaborative Projects and Research I	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Digital Media - Media Arts and Design	3	C	
Related Digital Culture	3	C	
Theory/History	3	C	
Maintain 3.00 GPA in Digital Culture coursework			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 386: Collaborative Projects and Research II	3	C	
GRA 345: Design Rhetoric (L) OR IND 354: Principles of Product Design OR INT 351: Ambient Environment OR LPH 310: History of Landscape Architecture (HU & H & G) OR APH 336: 20th-Century Architecture I (HU)	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Theory/History	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Maintain 3.00 GPA in Digital Culture coursework			
Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 15

Term 7	94 - 108 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	AME 485: Digital Culture Capstone I		3	C	
	APH 421: First Concepts: What is... The Writing, Philosophy, and Culture of Architecture (L or HU) OR GRA 440: Finding Purpose OR GRA 401: Creative Environment OR APH 337: 20th-Century Architecture II (HU)		3	C	
	Upper Division Digital Culture Studies		3	C	
	Upper Division Related Digital Culture		3	C	
	Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)		3		
	Maintain 3.00 GPA in Digital Culture coursework				
	Minimum 2.50 GPA ASU Cumulative.				
	Term hours subtotal:		15		

Term 8	109 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	AME 486: Digital Culture Capstone II		3	C	
	Upper Division Digital Culture Studies		3	C	
	Upper Division Digital Media - Media Engineering category		3	C	
	APH OR IND OR GRA OR LPH OR INT Upper Division Elective		3	C	
	Maintain 3.00 GPA in Digital Culture coursework				
	Minimum 2.50 GPA ASU Cumulative.				
	Term hours subtotal:		12		

Digital Culture Studies Course List: Select 6 courses; 18 credits

AME 194: Prototyping Dreams

AME 294: Programming for Media Arts

AME 294: Programming for the Web

AME/ART 294: Introduction to Interactive Environments

AME 394: Compositional & Computational Principles for Media

AME 394: How to Build a Digital-Physical System

AME 394: Media Literacies and Composition

AME 394: Motion Capture for Integrated Systems

AME 494: Animating Virtual Worlds

AME 494: Integrated System Development

AME 494: Media Installations

AME 494: Programming for Social and Interactive Media

AME 494: Understanding Activity

ANP 494: Designing Hybrid Spaces

ANP 394: Digital Modeling and Fabrication

ART 218: 3D Tools

DCE 294:
HybridAction:PhysicalIntelligenceinDigitalCulture

DSC 294: Media Editing

Digital Media - Media Arts and Design
Course List: Select 3 courses; 9 credits

AME 194: Digital Culture Studio

AME 494: Advanced Interactive Sound

ANP 494: Design by Algorithm

ART 194: Digital Art and Culture

ART 294: The Still Image in Digital Culture

ART 494: Visual Prototyping

FMP 294: Introduction to Animation

FMP 294: Story Development for Game Design

FMP 394: Non-Linear Editing for Film and Media

IAP 103: Foundations I: Interdisciplinary Digital Media

IAP 104: Foundations I: Fundamentals of Sound Art

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

Related Digital Culture Course List:
Select 2 courses; 6 credits (3 upper-division)

ARE 494: Digital Ethnography in Virtual Worlds

ASB 328: Rules, Games, and Society (L)

ASB 344: Technology and Society (L or SB)

ASB 430: Social Simulation (CS)

EDT 210: Games, Technology and Society

HDA 210: Creativity and Innovation in Design and the Arts

HDA 310: Socially Engaged Practice

IAP 102: Foundations I: Performance Techniques and Composition

IAP 105: Foundations I: Fundamentals of Visual Art (CS)

MCO 435: Social Media

MGT 290: My Life Venture

OMT 402: Legal Issues for Technologists

RDG 440: Computer Gaming, Learning,
and Literacy

SOC 334: Technology and Society (L or
SB)

TEM 311: Opportunity Analysis

THP 352: Foundations of Arts
Entrepreneurship

Digital Media - Media Engineering
Course List: Select 1 course; 3 credits

CSE 394: Data Struct, Analysis & Ret for
Digital Culture

EEE 394: Signal Analysis for the Digital
Culture

GIT 335: Computer Systems Technology

Theory/History Course List: Select 2
courses; 6 credits (3 upper-division)

ALA 100: Introduction to Environmental
Design (HU & H & G)

ALA 102: Landscapes and Sustainability
(HU & G)

APH 300: World Architecture I/Western
Cultures (HU & H & G)

APH 313: History of Architecture I ((L or
HU) & G & H)

APH 314: History of Architecture II ((L or
HU) & G & H)

APH 336: 20th-Century Architecture I
(HU)

APH 337: 20th-Century Architecture II
(HU)

ARA 202: Understanding Photographs

ARA 498: Photography and Language

ARS 102: Art from Renaissance to
Present (HU & H)

ARS 345: Art and Television

ARS 438: Art of the 20th Century I (HU
& H)

ARS 439: Art of the 20th Century II (HU
& H)

ARS 440: Identity and World Film

ARS 460: Art Now

DCE 300: Moving Histories (HU)

DSC 101: Design Awareness (HU & G)

ENG 394: Video Game Theory

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

IAP 305: 20th and 21st Century Art,
Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LPH 310: History of Landscape Architecture (HU & H & G)

LPH 311: 20th-Century Landscape Architecture (HU)

MHL 440: Music Since 1900 (L or HU)

MHL 494: Music and Movement in Urban Culture

MUS 347: Jazz in America (HU & C)

MUS 356: Broadway and the American Musical (HU)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU & H)

THE 403: Independent Film (HU)

THE 404: World Cinema (G)

THE 405: Film: Great Performers and Directors (HU)

THP 482: Theatre for Social Change (C)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Digital Culture (Film), BA

Herberger Institute for Design and the Arts

Tempe campus
HIDGCFBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 101: ASU Digital Culture Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.
 AME 111: Introduction to Digital Culture (CS)	3	C	
 FMP 201: Film: The Creative Process I (HU) OR FMP 250: Sex and Violence in Film and TV: Ethics Survey	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 112: Computational Thinking for Digital Culture	3	C	• AME 112 is offered in the spring only. Students who begin the Digital Culture program in a spring semester should take AME 112 in their first term. • All Digital Culture majors must pass a degree milestone at the end of their first year to continue in the program. Students who do not meet the milestone requirements will not be able to continue in the Digital Culture program.
Lower Division Digital Media - Media Arts and Design	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Milestone: Must have a minimum 3.0 GPA in Digital Culture coursework, a minimum 2.5 ASU cumulative GPA, and have completed AME 111, AME 112, and MAT 117 or higher with a grade of C or better by end of term 2 in order to continue in the Digital Culture program.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Lower Division Digital Culture Studies	3	C	
Lower Division Digital Media - Media Arts and Design	3	C	
THE OR THP OR FMP OR FMS Elective	3	C	

PHY 101: Introduction to Physics (SQ) OR Natural Science - Quantitative (SQ)	4
Social-Behavioral Sciences (SB)	3
❗ Complete MAT 210 course.	
❗ Maintain 3.00 GPA in Digital Culture coursework.	
❗ Minimum 2.50 GPA ASU Cumulative.	
Complete First-Year Composition requirement.	
Term hours subtotal:	16

Term 4 48 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
Lower Division Digital Culture Studies	3	C	
Related Digital Culture	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
❗ Maintain 3.00 GPA in Digital Culture coursework.			
❗ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 385: Collaborative Projects and Research I	3	C	
FMP 300: Focus on Film	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Digital Media - Media Arts and Design	3	C	
Theory/History	3	C	
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 386: Collaborative Projects and Research II	3	C	
FMP 394: Film Festivals OR THE 405: Film: Great Performers and Directors (HU)	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Theory/History	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Minimum

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ AME 485: Digital Culture Capstone I	3	C	
FMP Upper Division Elective OR THE 403: Independent Film (HU) OR THE 404: World Cinema (G)	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Related Digital Culture	3	C	
Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB)	3		
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	
FMP 394: Film Festivals OR THE 405: Film: Great Performers and Directors (HU)	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Digital Media - Media Engineering category	3	C	
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

- Digital Culture and Concentration coursework: refer to additional notes and program advisor for course selection.

Digital Media - Media Arts and Design
Course List: Select 3 courses; 9 credits

AME 194: Digital Culture Studio

AME 494: Advanced Interactive Sound

ANP 494: Design by Algorithm

ART 194: Digital Art and Culture

ART 294: The Still Image in Digital Culture

ART 494: Visual Prototyping

FMP 294: Introduction to Animation

FMP 294: Story Development for Game Design

FMP 394: Non-Linear Editing for Film and Media

IAP 103: Foundations I: Interdisciplinary Digital Media

IAP 104: Foundations I: Fundamentals of Sound Art

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

Digital Culture Studies Course List: Select 6 courses; 18 credits

AME 194: Prototyping Dreams

AME 294: Programming for Media Arts

AME 294: Programming for the Web

AME/ART 294: Introduction to Interactive Environments

AME 394: Compositional & Computational Principles for Media

AME 394: How to Build a Digital-Physical System

AME 394: Media Literacies and Composition

AME 394: Motion Capture for Integrated Systems

AME 494: Animating Virtual Worlds

AME 494: Integrated System Development

AME 494: Media Installations

AME 494: Programming for Social and Interactive Media

AME 494: Understanding Activity

ANP 494: Designing Hybrid Spaces

ANP 394: Digital Modeling and Fabrication

ART 218: 3D Tools

DCE 294:
HybridAction:PhysicalIntelligenceinDigitalCulture

DSC 294: Media Editing

Related Digital Culture Course List:
Select 2 courses; 6 credits (3 upper-division)

ARE 494: Digital Ethnography in Virtual Worlds

ASB 328: Rules, Games, and Society (L)

ASB 344: Technology and Society (L or SB)

ASB 430: Social Simulation (CS)

EDT 210: Games, Technology and Society

HDA 210: Creativity and Innovation in Design and the Arts

HDA 310: Socially Engaged Practice

IAP 102: Foundations I: Performance Techniques and Composition

IAP 105: Foundations I: Fundamentals of Visual Art (CS)

MCO 435: Social Media

MGT 290: My Life Venture

OMT 402: Legal Issues for Technologists

RDG 440: Computer Gaming, Learning,
and Literacy

SOC 334: Technology and Society (L or
SB)

TEM 311: Opportunity Analysis

THP 352: Foundations of Arts
Entrepreneurship

Theory/History Course List: Select 2
courses; 6 credits (3 upper-division)

ALA 100: Introduction to Environmental
Design (HU & H & G)

ALA 102: Landscapes and Sustainability
(HU & G)

APH 300: World Architecture I/Western
Cultures (HU & H & G)

APH 313: History of Architecture I ((L or
HU) & G & H)

APH 314: History of Architecture II ((L or
HU) & G & H)

APH 336: 20th-Century Architecture I
(HU)

APH 337: 20th-Century Architecture II
(HU)

ARA 202: Understanding Photographs

ARA 498: Photography and Language

ARS 102: Art from Renaissance to
Present (HU & H)

ARS 345: Art and Television

ARS 438: Art of the 20th Century I (HU
& H)

ARS 439: Art of the 20th Century II (HU
& H)

ARS 440: Identity and World Film

ARS 460: Art Now

DCE 300: Moving Histories (HU)

DSC 101: Design Awareness (HU & G)

ENG 394: Video Game Theory

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

IAP 305: 20th and 21st Century Art,
Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU &
H)

IND 317: 20th-Century Design II (HU &
H)

INT 111: Interior Design Issues and
Theories (HU)

INT 310: History of Interior Design I (HU
& H)

INT 311: History of Interior Design II
(HU & H)

LPH 310: History of Landscape
Architecture (HU & H & G)

LPH 311: 20th-Century Landscape
Architecture (HU)

MHL 440: Music Since 1900 (L or HU)

MHL 494: Music and Movement in Urban
Culture

MUS 347: Jazz in America (HU & C)

MUS 356: Broadway and the American
Musical (HU)

THE 320: History of the Theatre I (HU &
H)

THE 322: Theatre History and Culture
(HU & H)

THE 403: Independent Film (HU)

THE 404: World Cinema (G)

THE 405: Film: Great Performers and
Directors (HU)

THP 482: Theatre for Social Change (C)

Digital Media - Media Engineering
Course List: Select 1 course; 3 credits

CSE 394: Data Struct, Analysis & Ret for
Digital Culture

EEE 394: Signal Analysis for the Digital
Culture

GIT 335: Computer Systems Technology

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Digital Culture (Interdisciplinary Arts and Performance), BA

Herberger Institute for Design and the Arts

Tempe campus
HIIDCIAPBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 101: ASU Digital Culture Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.
 AME 111: Introduction to Digital Culture (CS)	3	C	
 IAP 201: Introduction to Interdisciplinary Arts (HU) OR IAP 202: Perspectives on Interdisciplinary Arts and Performance	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 112: Computational Thinking for Digital Culture	3	C	• AME 112 is offered in the spring only. Students who begin the Digital Culture program in a spring semester should take AME 112 in their first term. • All Digital Culture majors must pass a degree milestone at the end of their first year to continue in the program. Students who do not meet the milestone requirements will not be able to continue in the Digital Culture program.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Interdisciplinary Arts and Performance Concentration	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: Must have a minimum 3.0 GPA in Digital Culture coursework, a minimum 2.5 ASU cumulative GPA, and have completed AME 111, AME 112, and MAT 117 or higher with a grade of C or better by end of term 2 in order to continue in the Digital Culture program.			
Term hours subtotal:	15		
Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Lower Division Digital Culture Studies	3	C	
Interdisciplinary Arts and Performance Concentration	3	C	
Theory/History	3	C	

PHY 101: Introduction to Physics (SQ) OR Natural Science - Quantitative (SQ)	4
Social-Behavioral Sciences (SB)	3
❗ Maintain 3.00 GPA in Digital Culture coursework.	
❗ Minimum 2.50 GPA ASU Cumulative.	
❗ Complete MAT 210 course(s).	
Complete First-Year Composition requirement.	
Term hours subtotal:	16

Term 4 48 - 62 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU) OR IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)	3	C	
Lower Division Digital Media - Media Arts and Design	3	C	
Interdisciplinary Arts and Performance Concentration	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
❗ Maintain 3.00 GPA in Digital Culture coursework.			
❗ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 385: Collaborative Projects and Research I	3	C	
Upper Division Digital Media - Media Arts and Design	3	C	
Upper Division Interdisciplinary Arts and Performance Concentration	3	C	
Related Digital Culture	3	C	
Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4		
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 386: Collaborative Projects and Research II	3	C	
Complete 2 courses: Upper Division Interdisciplinary Arts and Performance Concentration	6	C	
Upper Division Theory/History	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Minimum

Term 7	94 - 108 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★	AME 485: Digital Culture Capstone I	3	C	
	Upper Division Digital Culture Studies	3	C	
	<i>Complete 2 courses:</i> Upper Division Interdisciplinary Arts and Performance Concentration	6	C	
	Upper Division Related Digital Culture	3	C	
	Maintain 3.00 GPA in Digital Culture coursework.			
	Minimum 2.50 GPA ASU Cumulative.			
	Term hours subtotal:	15		

Term 8	109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	AME 486: Digital Culture Capstone II	3	C	
	Upper Division Digital Culture Studies	3	C	
	Upper Division Digital Media - Media Engineering	3	C	
	Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB)	3		
	Maintain 3.00 GPA in Digital Culture coursework.			
	Minimum 2.50 GPA ASU Cumulative.			
	Term hours subtotal:	12		

Interdisciplinary Arts and Performance
Concentration Course List: Select 8
courses; 24 credits

IAP 294: Digital Installation

IAP 301: Energetic Systems of Art:
Collaboration in the Arts

IAP 302: Cross-Cultural Perspectives on
the Arts (L or HU)

IAP 307: Art and War (HU & G)

IAP 321: Music Composition I

IAP 322: Multitrack Digital Recording

IAP 324: The Voice and Performance

IAP 325: Sound Performance: Exploring
Alternative Performance Groups

IAP 333: Directing for Performance

IAP 354: Visual Representation

IAP 361: Digital Editing and Media
Literacy (CS)

IAP 363: Sound, Image, and Media

IAP 364: Documentaries

IAP 365: Digital Interactivity

IAP 368: Digital Graphic Technologies

IAP 371: Verbal Art

IAP 375: Contemporary Performance:
Theories and Practice

IAP 421: Composition: Process,
Technique, and Style II

IAP 431: Perspectives on Performance
and Acting

IAP 434: Production Laboratory

IAP 441: Movement for Performance

IAP 464: Media and Diversity (HU & G)

IAP 465: Media Technologies and the
Arts

IAP 466: Digital Interactivity, Advanced

IAP 467: Acoustic Ecology

IAP 468: Digital Graphic Applications

IAP 469: Advanced Audio Production

IAP 471: Language, Culture, and
Performance (L or HU)

IAP 494: Advanced Audio Production

IAP 494: Advanced Video Production

Digital Culture Studies Course List: Select
3 courses; 9 credits

AME 194: Prototyping Dreams

AME 294: Programming for Media Arts

AME 294: Programming for the Web

AME/ART 294: Introduction to
Interactive Environments

AME 394: Compositional &
Computational Principles for Media

AME 394: How to Build a
Digital-Physical System

AME 394: Media Literacies and
Composition

AME 394: Motion Capture for Integrated
Systems

AME 494: Animating Virtual Worlds

AME 494: Integrated System
Development

AME 494: Media Installations

AME 494: Programming for Social and
Interactive Media

AME 494: Understanding Activity

ANP 394: Digital Modeling and
Fabrication

ANP 494: Designing Hybrid Spaces

ART 218: 3D Tools

DCE 294:
HybridAction:PhysicalIntelligenceinDigitalCulture

DSC 294: Media Editing

Theory/History Course List: Select 2 courses; 6 credits (3 upper-division)

ALA 100: Introduction to Environmental Design (HU & H & G)

ALA 102: Landscapes and Sustainability (HU & G)

APH 300: World Architecture I/Western Cultures (HU & H & G)

APH 313: History of Architecture I ((L or HU) & G & H)

APH 314: History of Architecture II ((L or HU) & G & H)

APH 336: 20th-Century Architecture I (HU)

APH 337: 20th-Century Architecture II (HU)

ARA 202: Understanding Photographs

ARA 498: Photography and Language

ARS 102: Art from Renaissance to Present (HU & H)

ARS 345: Art and Television

ARS 438: Art of the 20th Century I (HU & H)

ARS 439: Art of the 20th Century II (HU & H)

ARS 440: Identity and World Film

ARS 460: Art Now

DCE 300: Moving Histories (HU)

DSC 101: Design Awareness (HU & G)

ENG 394: Video Game Theory

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LPH 310: History of Landscape Architecture (HU & H & G)

LPH 311: 20th-Century Landscape Architecture (HU)

MHL 440: Music Since 1900 (L or HU)

MHL 494: Music and Movement in Urban Culture

MUS 347: Jazz in America (HU & C)

MUS 356: Broadway and the American Musical (HU)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU & H)

THE 403: Independent Film (HU)

THE 404: World Cinema (G)

THE 405: Film: Great Performers and Directors (HU)

THP 482: Theatre for Social Change (C)

Digital Media - Media Arts and Design
Course List: Select 2 courses; 6 credits

AME 194: Digital Culture Studio

AME 494: Advanced Interactive Sound

ANP 494: Design by Algorithm

ART 194: Digital Art and Culture

ART 294: The Still Image in Digital Culture

ART 494: Visual Prototyping

FMP 294: Introduction to Animation

FMP 294: Story Development for Game Design

FMP 394: Non-Linear Editing for Film and Media

IAP 103: Foundations I: Interdisciplinary Digital Media

IAP 104: Foundations I: Fundamentals of Sound Art

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

Related Digital Culture Course List:
Select 2 courses; 6 credits (3 upper-division)

ARE 494: Digital Ethnography in Virtual Worlds

ASB 328: Rules, Games, and Society (L)

ASB 344: Technology and Society (L or SB)

ASB 430: Social Simulation (CS)

EDT 210: Games, Technology and Society

HDA 210: Creativity and Innovation in Design and the Arts

HDA 310: Socially Engaged Practice

IAP 102: Foundations I: Performance Techniques and Composition

IAP 105: Foundations I: Fundamentals of Visual Art (CS)

MCO 435: Social Media

MGT 290: My Life Venture

OMT 402: Legal Issues for Technologists

RDG 440: Computer Gaming, Learning,
and Literacy

SOC 334: Technology and Society (L or
SB)

TEM 311: Opportunity Analysis

THP 352: Foundations of Arts
Entrepreneurship

Digital Media - Media Engineering
Course List: Select 1 course; 3 credits

CSE 394: Data Struct, Analysis & Ret for
Digital Culture

EEE 394: Signal Analysis for the Digital
Culture

GIT 335: Computer Systems Technology

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Digital Culture (Media Processing), BA

Herberger Institute for Design and the Arts
Tempe campus
HIDGCMFBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 101: ASU Digital Culture Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.
 AME 111: Introduction to Digital Culture (CS)	3	C	
 CSE 110: Principles of Programming with Java (CS) OR CPI 111: Game Development I (CS) OR EEE 120: Digital Design Fundamentals	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 112: Computational Thinking for Digital Culture	3	C	• AME 112 is offered in the spring only. Students who begin the Digital Culture program in a spring semester should take AME 112 in their first term. • All Digital Culture majors must pass a degree milestone at the end of their first year to continue in the program. Students who do not meet the milestone requirements will not be able to continue in the Digital Culture program.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Media Processing Concentration	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Milestone: Must have a minimum 3.0 GPA in Digital Culture coursework, a minimum 2.5 ASU cumulative GPA, and have completed AME 111, AME 112, and MAT 117 or higher with a grade of C or better by end of term 2 in order to continue in the Digital Culture program.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.50 GPA ASU Cumulative.			
 Maintain 3.00 GPA in Digital Culture coursework.			
Term hours subtotal:		15	

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Lower Division Digital Culture Studies	3	C	
Media Processing Concentration	3	C	

Theory/History	3	C
PHY 101: Introduction to Physics (SQ) OR Natural Science - Quantitative (SQ)	4	
Social-Behavioral Sciences (SB)	3	
❗ Complete MAT 210 course(s).		
❗ Maintain 3.00 GPA in Digital Culture coursework.		
❗ Minimum 2.50 GPA ASU Cumulative.		
Complete First-Year Composition requirement.		
Term hours subtotal:	16	

Term 4 48 - 62 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
Lower Division Digital Media - Media Arts and Design Course	3	C	
Media Processing Concentration	3	C	
Related Digital Culture	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
❗ Maintain 3.00 GPA in Digital Culture coursework.			
❗ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 385: Collaborative Projects and Research I	3	C	
Upper Division Digital Media - Media Arts and Design Course	3	C	
Complete 2 courses: Upper Division Media Processing Concentration	6	C	
Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4		
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 386: Collaborative Projects and Research II	3	C	
Complete 2 courses: Upper Division Media Processing Concentration	6	C	
Upper Division Theory/History	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ AME 485: Digital Culture Capstone I	3	C
Upper Division Digital Culture Studies	3	C
Complete 2 courses: Upper Division Media Processing Concentration	6	C
Upper Division Related Digital Culture	3	C
Maintain 3.00 GPA in Digital Culture coursework.		
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	15	

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Digital Media - Media Arts and Design Course	3	C	
Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB)	3		
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Media Processing Concentration Course
List: Select 10 courses; 30 credits (18
upper-division)

CPI 111: Game Development I (CS)

CPI 211: Game Development II

CPI 310: Web-Based Information
Management Systems

CPI 411: Graphics for Games

CSE 110: Principles of Programming with
Java (CS)

CSE 205: Object-Oriented Programming
and Data Structures (CS)

CSE 220: Programming for Computer
Engineering

CSE 230: Computer Organization and
Assembly Language Programming

CSE 310: Data Structures and Algorithms

CSE 394: Data Struct, Analysis & Ret for
Digital Culture

CSE 463: Introduction to Human
Computer Interaction

CSE 470: Computer Graphics

EEE 120: Digital Design Fundamentals

EEE 202: Circuits I

EEE 203: Signals and Systems I

EEE 230: Computer Organization and
Assembly Language Programming

EEE 304: Signals and Systems II

EEE 394: Signal Analysis for the Digital
Culture

EEE 404: Real-Time DSP Systems

EEE 459: Communication Networks

IEE 431: Engineering Administration (L)

IEE 458: Project Management

FSE 100: Introduction to Engineering

MAT 242: Elementary Linear Algebra

MAT 243: Discrete Mathematical
Structures

Digital Culture Studies Course List: Select
3 courses; 9 credits

AME 194: Prototyping Dreams

AME 294: Programming for Media Arts

AME 294: Programming for the Web

AME/ART 294: Introduction to
Interactive Environments

AME 394: Compositional &
Computational Principles for Media

AME 394: How to Build a
Digital-Physical System

AME 394: Media Literacies and
Composition

AME 394: Motion Capture for Integrated
Systems

AME 494: Animating Virtual Worlds

AME 494: Integrated System
Development

AME 494: Media Installations

AME 494: Programming for Social and
Interactive Media

AME 494: Understanding Activity

ANP 394: Digital Modeling and
Fabrication

ANP 494: Designing Hybrid Spaces

ART 218: 3D Tools

DCE 294:
HybridAction:PhysicalIntelligenceinDigitalCulture

DSC 294: Media Editing

Digital Media - Media Arts and Design
Course List: Select 3 courses; 9 credits

AME 194: Digital Culture Studio

AME 494: Advanced Interactive Sound

ANP 494: Design by Algorithm

ART 194: Digital Art and Culture

ART 294: The Still Image in Digital Culture

ART 494: Visual Prototyping

FMP 294: Introduction to Animation

FMP 294: Story Development for Game Design

FMP 394: Non-Linear Editing for Film and Media

IAP 103: Foundations I: Interdisciplinary Digital Media

IAP 104: Foundations I: Fundamentals of Sound Art

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

Related Digital Culture Course List:
Select 2 courses; 6 credits (3 upper-division)

ARE 494: Digital Ethnography in Virtual Worlds

ASB 328: Rules, Games, and Society (L)

ASB 344: Technology and Society (L or SB)

ASB 430: Social Simulation (CS)

EDT 210: Games, Technology and Society

HDA 210: Creativity and Innovation in Design and the Arts

HDA 310: Socially Engaged Practice

IAP 102: Foundations I: Performance Techniques and Composition

IAP 105: Foundations I: Fundamentals of Visual Art (CS)

MCO 435: Social Media

MGT 290: My Life Venture

OMT 402: Legal Issues for Technologists

RDG 440: Computer Gaming, Learning, and Literacy

SOC 334: Technology and Society (L or SB)

TEM 311: Opportunity Analysis

THP 352: Foundations of Arts Entrepreneurship

Theory/History Course List: Select 2 courses; 6 credits (3 upper-division)

ALA 100: Introduction to Environmental Design (HU & H & G)

ALA 102: Landscapes and Sustainability (HU & G)

APH 300: World Architecture I/Western Cultures (HU & H & G)

APH 313: History of Architecture I ((L or HU) & G & H)

APH 314: History of Architecture II ((L or HU) & G & H)

APH 336: 20th-Century Architecture I (HU)

APH 337: 20th-Century Architecture II (HU)

ARA 202: Understanding Photographs

ARA 498: Photography and Language

ARS 102: Art from Renaissance to Present (HU & H)

ARS 345: Art and Television

ARS 438: Art of the 20th Century I (HU & H)

ARS 439: Art of the 20th Century II (HU & H)

ARS 440: Identity and World Film

ARS 460: Art Now

DCE 300: Moving Histories (HU)

DSC 101: Design Awareness (HU & G)

ENG 394: Video Game Theory

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LPH 310: History of Landscape Architecture (HU & H & G)

LPH 311: 20th-Century Landscape Architecture (HU)

MHL 440: Music Since 1900 (L or HU)

MHL 494: Music and Movement in Urban Culture

MUS 347: Jazz in America (HU & C)

MUS 356: Broadway and the American Musical (HU)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU & H)

THE 403: Independent Film (HU)

THE 404: World Cinema (G)

THE 405: Film: Great Performers and Directors (HU)

THP 482: Theatre for Social Change (C)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Digital Culture (Music), BA

Herberger Institute for Design and the Arts

Tempe campus
HIDGCMBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 101: ASU Digital Culture Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.
 AME 111: Introduction to Digital Culture (CS)	3	C	
 MUS 100: Fundamentals of Music Notation OR MTC 125: Basic Music Theory	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 112: Computational Thinking for Digital Culture	3	C	• AME 112 is offered in the spring only. Students who begin the Digital Culture program in a spring semester should take AME 112 in their first term. • All Digital Culture majors must pass a degree milestone at the end of their first year to continue in the program. Students who do not meet the milestone requirements will not be able to continue in the Digital Culture program.
Lower Division Digital Media-Media Arts and Design	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Milestone: Must have a minimum 3.0 GPA in Digital Culture coursework, a minimum 2.5 ASU cumulative GPA, and have completed AME 111, AME 112, and MAT 117 or higher with a grade of C or better by end of term 2 in order to continue in the Digital Culture program.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Lower Division Digital Culture Studies	3	C	
Lower Division Digital Media-Media Arts and Design	3	C	
Music Production Elective	3	C	

PHY 101: Introduction to Physics (SQ) OR Natural Science - Quantitative (SQ)	4
Social-Behavioral Sciences (SB)	3
❗ Complete MAT 210 course.	
❗ Maintain 3.00 GPA in Digital Culture coursework.	
❗ Minimum 2.50 GPA ASU Cumulative.	
Complete First-Year Composition requirement.	
Term hours subtotal:	16

Term 4 48 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
Lower Division Digital Culture Studies	3	C	
MUS OR MUP OR MUE OR MTC Lower Division Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4		
❗ Maintain 3.00 GPA in Digital Culture coursework.			
❗ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 385: Collaborative Projects and Research I	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Digital Media - Media Arts and Design	3	C	
Theory/History	3	C	
Related Digital Culture	3	C	
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 79 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 386: Collaborative Projects and Research II	3	C	
MTC 436: Electronic Studio Techniques I OR MUP 319: Advanced Audio Engineering in the Arts OR MTC 437: Electronic Studio Techniques II OR MUE 441: Psychology of Music	2-3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Theory/History	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14-15		

- If you take MTC 436, MUP 319 or MTC 437 in this term, you will need to complete one additional hour (or 4 hours total) of MUS OR MUP OR MUE OR MTC Upper Division Elective in term 8.

Term 7 93 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 485: Digital Culture Capstone I	3	C	
MUS 354: Popular Music (HU) OR MUS 354: Classic Rock: 1950-1975 (HU) OR MUS 354: Rock Since 1975 (HU) OR MUS 354: Elvis (HU) OR MUS 354: Beatles (HU) OR MUS 362: Rap Music and Hip Hop Culture (HU & C)	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Related Digital Culture	3	C	
Elective	3		
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Digital Media - Media Engineering course	3	C	
MUS OR MUP OR MUE OR MTC Upper Division Elective	4-3	C	
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	13-12		

- If you took MTC 436, MUP 319 or MTC 437 in term 6, you will need to complete one additional hour (or 4 hours total) of MUS OR MUP OR MUE OR MTC Upper Division Elective in term 8.

Digital Media - Media Arts and Design Course List: Select 3 courses; 9 credits

AME 194: Digital Culture Studio

AME 494: Advanced Interactive Sound

ANP 494: Design by Algorithm

ART 194: Digital Art and Culture

ART 294: The Still Image in Digital Culture

ART 494: Visual Prototyping

FMP 294: Introduction to Animation

FMP 294: Story Development for Game Design

FMP 394: Non-Linear Editing for Film and Media

IAP 103: Foundations I: Interdisciplinary Digital Media

IAP 104: Foundations I: Fundamentals of Sound Art

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

Digital Culture Studies Course List: Select 6 courses; 18 credits

AME 194: Prototyping Dreams

AME 294: Programming for Media Arts

AME 294: Programming for the Web

AME/ART 294: Introduction to Interactive Environments

AME 394: Compositional & Computational Principles for Media

AME 394: How to Build a Digital-Physical System

AME 394: Media Literacies and Composition

AME 394: Motion Capture for Integrated Systems

AME 494: Animating Virtual Worlds

AME 494: Integrated System Development

AME 494: Media Installations

AME 494: Programming for Social and Interactive Media

AME 494: Understanding Activity

ANP 394: Digital Modeling and Fabrication

ANP 494: Designing Hybrid Spaces

ART 218: 3D Tools

DCE 294: Hybrid Action: Physical Intelligence in Digital Culture

DSC 294: Media Editing

Music Production Elective Course List

MUS 294: Songwriting

MUS 294: Producing Hip Hop and Dance Music

MUS 294: Song Production with Garage Band

Theory/History Course List: Select 2 courses; 6 credits (3 upper-division)

ALA 100: Introduction to Environmental Design (HU & H & G)

ALA 102: Landscapes and Sustainability (HU & G)

APH 300: World Architecture I/Western Cultures (HU & H & G)

APH 313: History of Architecture I ((L or HU) & G & H)

APH 314: History of Architecture II ((L or HU) & G & H)

APH 336: 20th-Century Architecture I (HU)

APH 337: 20th-Century Architecture II (HU)

ARA 202: Understanding Photographs

ARA 498: Photography and Language

ARS 102: Art from Renaissance to Present (HU & H)

ARS 345: Art and Television

ARS 438: Art of the 20th Century I (HU & H)

ARS 439: Art of the 20th Century II (HU & H)

ARS 440: Identity and World Film

ARS 460: Art Now

DCE 300: Moving Histories (HU)

DSC 101: Design Awareness (HU & G)

ENG 394: Video Game Theory

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LPH 310: History of Landscape Architecture (HU & H & G)

LPH 311: 20th-Century Landscape Architecture (HU)

MHL 440: Music Since 1900 (L or HU)

MHL 494: Music and Movement in Urban Culture

MUS 347: Jazz in America (HU & C)

MUS 356: Broadway and the American Musical (HU)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU & H)

THE 403: Independent Film (HU)

THE 404: World Cinema (G)

THE 405: Film: Great Performers and Directors (HU)

THP 482: Theatre for Social Change (C)

Related Digital Culture Course List:
Select 2 courses; 6 credits (3
upper-division)

ARE 494: Digital Ethnography in Virtual
Worlds

ASB 328: Rules, Games, and Society (L)

ASB 344: Technology and Society (L or
SB)

ASB 430: Social Simulation (CS)

EDT 210: Games, Technology and
Society

HDA 210: Creativity and Innovation in
Design and the Arts

HDA 310: Socially Engaged Practice

IAP 102: Foundations I: Performance
Techniques and Composition

IAP 105: Foundations I: Fundamentals of
Visual Art (CS)

MCO 435: Social Media

MGT 290: My Life Venture

OMT 402: Legal Issues for Technologists

RDG 440: Computer Gaming, Learning,
and Literacy

SOC 334: Technology and Society (L or
SB)

TEM 311: Opportunity Analysis

THP 352: Foundations of Arts
Entrepreneurship

Digital Media - Media Engineering
Course List: Select 1 course; 3 credits

CSE 394: Data Struct, Analysis & Ret for
Digital Culture

EEE 394: Signal Analysis for the Digital
Culture

GIT 335: Computer Systems Technology

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Digital Culture (Technological Entrepreneurship), BA

Herberger Institute for Design and the Arts

Tempe campus
HIDGCTEBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 101: ASU Digital Culture Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.
 AME 111: Introduction to Digital Culture (CS)	3	C	
Technological Entrepreneurship Concentration Group 1	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 112: Computational Thinking for Digital Culture	3	C	• AME 112 is offered in the spring only. Students who begin the Digital Culture program in a spring semester should take AME 112 in their first term. • All Digital Culture majors must pass a degree milestone at the end of their first year to continue in the program. Students who do not meet the milestone requirements will not be able to continue in the Digital Culture program.
Technological Entrepreneurship Concentration Group 1	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Milestone: Must have a minimum 3.0 GPA in Digital Culture coursework, a minimum 2.5 ASU cumulative GPA, and have completed AME 111, AME 112, and MAT 117 or higher with a grade of C or better by end of term 2 in order to continue in the Digital Culture program.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Lower Division Digital Culture Studies	3	C	
Technological Entrepreneurship Concentration Group 2	3	C	
Theory/History	3	C	

PHY 101: Introduction to Physics (SQ) OR Natural Science - Quantitative (SQ)	4
Social-Behavioral Sciences (SB)	3
🚩 Complete MAT 210 course(s).	
🚩 Maintain 3.00 GPA in Digital Culture coursework.	
🚩 Minimum 2.50 GPA ASU Cumulative.	
Complete First-Year Composition requirement.	
Term hours subtotal:	16

Term 4 48 - 62 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
Lower Division Digital Media - Media Arts and Design	3	C	
Technological Entrepreneurship Concentration Group 2	3	C	
Related Digital Culture	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
🚩 Maintain 3.00 GPA in Digital Culture coursework.			
🚩 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 385: Collaborative Projects and Research I	3	C	
Upper Division Digital Media - Media Arts and Design	3	C	
Upper Division Technological Entrepreneurship Concentration Group 1	3	C	
Upper Division Technological Entrepreneurship Concentration Group 2	3	C	
Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4		
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 386: Collaborative Projects and Research II	3	C	
Upper Division Technological Entrepreneurship Concentration Group 1	3	C	
Upper Division Technological Entrepreneurship Concentration Group 2	3	C	
Upper Division Theory/History	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ AME 485: Digital Culture Capstone I	3	C
Upper Division Digital Culture Studies	3	C
Complete 2 courses: Upper Division Technological Entrepreneurship Concentration Group 1	6	C
Upper Division Related Digital Culture	3	C
Maintain 3.00 GPA in Digital Culture coursework.		
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	15	

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Digital Media - Media Arts and Design	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Technological Entrepreneurship
Concentration Group 1 Course List: Select
6 courses; 18 credits (12 upper-division)

GIT 135: Graphic Communications

GIT 210: Creative Thinking and Design
Visualization

GIT 215: Introduction to Web Authoring

GIT 230: Digital Illustration in Publishing

GIT 237: Web Content Design

GIT 303: Digital Publishing

GIT 312: 3-D Computer Graphics
Modeling and Representation (CS)

GIT 314: Multimedia Design, Planning
and Storyboards

GIT 335: Computer Systems Technology

GIT 384: Commercial Photography

GIT 411: Computer Animation

GIT 414: Web Site Design and
Internet/Web Technologies

GIT 418: Multimedia Authoring, Scripting
and Production

GIT 494: New Media Internet
Technologies

Technological Entrepreneurship
Concentration Group 2 Course List: Select
4 courses; 12 credits (6 upper-division)

OMT 194: Introduction to Technology Development

OMT 402: Legal Issues for Technologists

OMT 430: Ethical Issues in Technology

OMT 480: Organizational Effectiveness

TMC 110: Understanding the Enterprise

TEM 230: Creativity and Business Innovation

TEM 250: Design Methodology

TEM 311: Opportunity Analysis

Digital Culture Studies Course List: Select 3 courses; 9 credits

AME 194: Prototyping Dreams

AME 294: Programming for Media Arts

AME 294: Programming for the Web

AME/ART 294: Introduction to Interactive Environments

AME 394: Compositional & Computational Principles for Media

AME 394: How to Build a Digital-Physical System

AME 394: Media Literacies and Composition

AME 394: Motion Capture for Integrated Systems

AME 494: Animating Virtual Worlds

AME 494: Integrated System Development

AME 494: Media Installations

AME 494: Programming for Social and Interactive Media

AME 494: Understanding Activity

ANP 394: Digital Modeling and Fabrication

ANP 494: Designing Hybrid Spaces

ART 218: 3D Tools

DCE 294: Hybrid Action: Physical Intelligence in Digital Culture

DSC 294: Media Editing

Theory/History Course List: Select 2 courses; 6 credits (3 upper-division)

ALA 100: Introduction to Environmental Design (HU & H & G)

ALA 102: Landscapes and Sustainability (HU & G)

APH 300: World Architecture I/Western Cultures (HU & H & G)

APH 313: History of Architecture I ((L or HU) & G & H)

APH 314: History of Architecture II ((L or HU) & G & H)

APH 336: 20th-Century Architecture I (HU)

APH 337: 20th-Century Architecture II (HU)

ARA 202: Understanding Photographs

ARA 498: Photography and Language

ARS 102: Art from Renaissance to Present (HU & H)

ARS 345: Art and Television

ARS 438: Art of the 20th Century I (HU & H)

ARS 439: Art of the 20th Century II (HU & H)

ARS 440: Identity and World Film

ARS 460: Art Now

DCE 300: Moving Histories (HU)

DSC 101: Design Awareness (HU & G)

ENG 394: Video Game Theory

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

LPH 310: History of Landscape Architecture (HU & H & G)

LPH 311: 20th-Century Landscape Architecture (HU)

MHL 440: Music Since 1900 (L or HU)

MHL 494: Music and Movement in Urban Culture

MUS 347: Jazz in America (HU & C)

MUS 356: Broadway and the American Musical (HU)

THE 320: History of the Theatre I (HU & H)

THE 322: Theatre History and Culture (HU & H)

THE 403: Independent Film (HU)

THE 404: World Cinema (G)

THE 405: Film: Great Performers and Directors (HU)

THP 482: Theatre for Social Change (C)

Digital Media - Media Arts and Design
Course List: Select 3 courses; 9 credits

AME 194: Digital Culture Studio

AME 494: Advanced Interactive Sound

ANP 494: Design by Algorithm

ART 194: Digital Art and Culture

ART 294: The Still Image in Digital Culture

ART 494: Visual Prototyping

FMP 294: Introduction to Animation

FMP 294: Story Development for Game Design

FMP 394: Non-Linear Editing for Film and Media

IAP 103: Foundations I: Interdisciplinary Digital Media

IAP 104: Foundations I: Fundamentals of Sound Art

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for Hybrid Ensembles

Related Digital Culture Course List:
Select 2 courses; 6 credits (3 upper-division)

ARE 494: Digital Ethnography in Virtual Worlds

ASB 328: Rules, Games, and Society (L)

ASB 344: Technology and Society (L or SB)

ASB 430: Social Simulation (CS)

EDT 210: Games, Technology and Society

HDA 210: Creativity and Innovation in Design and the Arts

HDA 310: Socially Engaged Practice

IAP 102: Foundations I: Performance Techniques and Composition

IAP 105: Foundations I: Fundamentals of Visual Art (CS)

MCO 435: Social Media

MGT 290: My Life Venture

OMT 402: Legal Issues for Technologists

RDG 440: Computer Gaming, Learning, and Literacy

SOC 334: Technology and Society (L or SB)

TEM 311: Opportunity Analysis

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Digital Culture (Theatre), BA

Herberger Institute for Design and the Arts
Tempe campus
HIDGCTBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 101: ASU Digital Culture Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Digital culture students complete AME 101 to fulfill this requirement.
 AME 111: Introduction to Digital Culture (CS)	3	C	
 THF 215: Design and Composition for Theatre and Film	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AME 112: Computational Thinking for Digital Culture	3	C	• AME 112 is offered in the spring only. Students who begin the Digital Culture program in a spring semester should take AME 112 in their first term. • All Digital Culture majors must pass a degree milestone at the end of their first year to continue in the program. Students who do not meet the milestone requirements will not be able to continue in the Digital Culture program.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Lower Division Digital Media - Media Arts and Design	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 3.00 GPA in Digital Culture coursework.			
 Minimum 2.50 GPA ASU Cumulative.			
Milestone: Must have a minimum 3.0 GPA in Digital Culture coursework, a minimum 2.5 ASU cumulative GPA, and have completed AME 111, AME 112, and MAT 117 or higher with a grade of C or better by end of term 2 in order to continue in the Digital Culture program.			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Lower Division Digital Culture Studies	3	C	
Lower Division Digital Media - Media Arts and Design	3	C	
THE OR THP OR FMP Elective	3	C	

PHY 101: Introduction to Physics (SQ) OR Natural Science - Quantitative (SQ)	4
Social-Behavioral Sciences (SB)	3
🚩 Complete MAT 210 course.	
🚩 Maintain 3.00 GPA in Digital Culture coursework.	
🚩 Minimum 2.50 GPA ASU Cumulative.	
Complete First-Year Composition requirement.	
Term hours subtotal:	16

Term 4 48 - 63 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
Lower Division Digital Culture Studies	3	C	
Theory/History	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
🚩 Maintain 3.00 GPA in Digital Culture coursework.			
🚩 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 385: Collaborative Projects and Research I	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Digital Media - Media Arts and Design	3	C	
Upper Division Theatre Design Course I	3	C	
Related Digital Culture	3	C	
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 386: Collaborative Projects and Research II	3	C	
Upper Division Digital Culture Studies	3	C	
Upper Division Theatre Design Course II	3	C	
Upper Division Theory/History	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Maintain 3.00 GPA in Digital Culture coursework.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ AME 485: Digital Culture Capstone I	3	C
Upper Division Digital Culture Studies	3	C
Upper Division Theatre Design Course I	3	C
Upper Division Related Digital Culture	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Maintain 3.00 GPA in Digital Culture coursework.		
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	15	

Term 8	109 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AME 486: Digital Culture Capstone II			3	C	
Upper Division Digital Culture Studies			3	C	
Upper Division Digital Media - Media Engineering			3	C	
Upper Division Theatre Design Course II			3	C	
Maintain 3.00 GPA in Digital Culture coursework.					
Minimum 2.50 GPA ASU Cumulative.					
Term hours subtotal:			12		

Digital Media - Media Arts and Design
Course List: Select 3 courses; 9 credits

AME 194: Digital Culture Studio

AME 494: Advanced Interactive Sound

ANP 494: Design by Algorithm

ART 194: Digital Art and Culture

ART 294: The Still Image in Digital
Culture

ART 494: Visual Prototyping

FMP 294: Introduction to Animation

FMP 294: Story Development for Game
Design

FMP 394: Non-Linear Editing for Film
and Media

IAP 103: Foundations I: Interdisciplinary
Digital Media

IAP 104: Foundations I: Fundamentals of
Sound Art

MDC 211: Introduction to Digital Sound

MDC 311: Composing and Performing for
Hybrid Ensembles

Digital Culture Studies Course List: Select
6 courses; 18 credits

AME 194: Prototyping Dreams

AME 294: Programming for Media Arts

AME 294: Programming for the Web

AME/ART 294: Introduction to
Interactive Environments

AME 394: Compositional &
Computational Principles for Media

AME 394: How to Build a
Digital-Physical System

AME 394: Media Literacies and
Composition

AME 394: Motion Capture for Integrated
Systems

AME 494: Animating Virtual Worlds

AME 494: Integrated System
Development

AME 494: Media Installations

AME 494: Programming for Social and
Interactive Media

AME 494: Understanding Activity

ANP 394: Digital Modeling and
Fabrication

ANP 494: Designing Hybrid Spaces

ART 218: 3D Tools

DCE 294:
HybridAction:PhysicalIntelligenceinDigitalCulture

DSC 294: Media Editing

Theory/History Course List: Select 2
courses; 6 credits (3 upper-division)

ALA 100: Introduction to Environmental
Design (HU & H & G)

ALA 102: Landscapes and Sustainability
(HU & G)

APH 300: World Architecture I/Western
Cultures (HU & H & G)

APH 313: History of Architecture I ((L or
HU) & G & H)

APH 314: History of Architecture II ((L or
HU) & G & H)

APH 336: 20th-Century Architecture I
(HU)

APH 337: 20th-Century Architecture II
(HU)

ARA 202: Understanding Photographs

ARA 498: Photography and Language

ARS 102: Art from Renaissance to
Present (HU & H)

ARS 345: Art and Television

ARS 438: Art of the 20th Century I (HU
& H)

ARS 439: Art of the 20th Century II (HU
& H)

ARS 440: Identity and World Film

ARS 460: Art Now

DCE 300: Moving Histories (HU)

DSC 101: Design Awareness (HU & G)

ENG 394: Video Game Theory

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

IAP 305: 20th and 21st Century Art,
Performance, and Media (L or HU)

IND 316: 20th-Century Design I (HU &
H)

IND 317: 20th-Century Design II (HU &
H)

INT 111: Interior Design Issues and
Theories (HU)

INT 310: History of Interior Design I (HU
& H)

INT 311: History of Interior Design II
(HU & H)

LPH 310: History of Landscape
Architecture (HU & H & G)

LPH 311: 20th-Century Landscape
Architecture (HU)

MHL 440: Music Since 1900 (L or HU)

MHL 494: Music and Movement in Urban
Culture

MUS 347: Jazz in America (HU & C)

MUS 356: Broadway and the American
Musical (HU)

THE 320: History of the Theatre I (HU &
H)

THE 322: Theatre History and Culture
(HU & H)

THE 403: Independent Film (HU)

THE 404: World Cinema (G)

THE 405: Film: Great Performers and
Directors (HU)

THP 482: Theatre for Social Change (C)

Upper Division Theatre Design Course I:
Select 2 courses; 6 credits

THP 330: Costume Design

THP 340: Scene Design

THP 345: Lighting Design

THP 350: Sound Design

THP 355: Media Design for Performance

THP 494: Art Direction

Related Digital Culture Course List:
Select 2 courses; 6 credits (3
upper-division)

ARE 494: Digital Ethnography in Virtual Worlds

ASB 328: Rules, Games, and Society (L)

ASB 344: Technology and Society (L or SB)

ASB 430: Social Simulation (CS)

EDT 210: Games, Technology and Society

HDA 210: Creativity and Innovation in Design and the Arts

HDA 310: Socially Engaged Practice

IAP 102: Foundations I: Performance Techniques and Composition

IAP 105: Foundations I: Fundamentals of Visual Art (CS)

MCO 435: Social Media

MGT 290: My Life Venture

OMT 402: Legal Issues for Technologists

RDG 440: Computer Gaming, Learning, and Literacy

SOC 334: Technology and Society (L or SB)

TEM 311: Opportunity Analysis

THP 352: Foundations of Arts Entrepreneurship

Upper Division Theatre Design Course II:
Select 2 courses; 6 credits

THP 431: Advanced Costume Construction

THP 435: Technical Direction

THP 442: Drawing

THP 444: Drafting for the Stage

THP 448: AutoCAD for Live Entertainment

THP 450: Theatre Organization and Management

Digital Media - Media Engineering
Course List: Select 1 course; 3 credits

CSE 394: Data Struct, Analysis & Ret for Digital Culture

EEE 394: Signal Analysis for the Digital Culture

GIT 335: Computer Systems Technology

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

Total Community College Hrs: 64
maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Environmental Design, BS

Herberger Institute for Design and the Arts

Tempe campus
HIEDSBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DSC 100: ASU Design Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course. MAT 117, MAT 119 or MAT 142 fulfills this requirement. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. DSC 100 fulfills this requirement.
 Design Culture and Literacy I	3	C	
 Design Fundamentals and Principles I	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Design Culture and Literacy II	3	C	• Please work with your academic advisor for Social and Behavioral Sciences (SB) general studies course options related to your focus area.
 Design Fundamentals and Principles II	3-4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
ECN 212: Microeconomic Principles (SB) OR INT 131: Design and Human Behavior (SB) OR PSY 101: Introduction to Psychology (SB) OR Social-Behavioral Sciences (SB)	3		
Main Focus Area Elective	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15-16		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EDS 200: Design Literacy and Communication	3	C	• If ARS 102 is taken as the (HU), please plan to take a (G) Global Awareness course in a future term.
 INT 121: Introduction to Computer Modeling for Interior Design (CS) OR Computer/Statistics/Quantitative Applications (CS)	3		

APH 313: History of Architecture I ((L or HU) & G & H) OR ALA 102: Landscapes and Sustainability (HU & G) OR ARS 102: Art from Renaissance to Present (HU & H) OR Humanities, Arts and Design (HU) AND Global Awareness (G)	3
GRA 111: Graphic Design History I (HU) OR Humanities, Arts and Design (HU)	3
PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) OR GPH 111: Introduction to Physical Geography (SQ) OR Natural Science - Quantitative (SQ)	4
 Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Minimum 2.00 GPA ASU Cumulative.	
Term hours subtotal:	16

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EDS 201: Fundamentals of Sustainability in Design	3	C	
APH 314: History of Architecture II ((L or HU) & G & H) OR Literacy and Critical Inquiry (L) AND Historical Awareness (H)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Secondary Focus Area Elective #1	3	C	
Secondary Focus Area Elective #2	3	C	
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EDS 301: Contemporary Issues in Design Strategies and Innovation	3	C	
APH 336: 20th-Century Architecture I (HU) OR IND 316: 20th-Century Design I (HU & H) OR INT 310: History of Interior Design I (HU & H) OR LPH 310: History of Landscape Architecture (HU & H & G) OR Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Main Focus Area Elective	3	C	
Upper Division Secondary Focus Area Elective #1	3	C	
Upper Division Secondary Focus Area Elective #2	3	C	
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EDS 302: Design Inquiry and Undergraduate Research	3	C	
Upper Division Elective OR APH 337: 20th-Century Architecture II (HU) OR IND 317: 20th-Century Design II (HU & H) OR INT 311: History of Interior Design II (HU & H) OR LPH 311: 20th-Century Landscape Architecture (HU)	3		
ENG 301: Writing for the Professions (L) OR GRA 345: Design Rhetoric (L) OR Upper Division Literacy and Critical Inquiry (L)	3		
<i>Complete 2 courses:</i>			

Upper Division Main Focus Area Elective	6	C
Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	15	

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EDS 401: Environmental Design Synthesis I	3	C	
Complete 2 courses: Upper Division Main Focus Area Elective	6	C	
Complete 2 courses: Elective	6		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EDS 402: Environmental Design Synthesis II	3	C	
Upper Division Main Focus Area Elective	3	C	
Complete 2 courses: Elective	6		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	12		

- For focus area elective course options, please refer to course lists. There are three focus areas for you to choose from: Sustainability in Environmental Design; Innovation, Technology and Design Studies; and Histories and Theories of Design. This includes 21 credit hours in the main focus area; 6 credit hours in each of the other two areas of focus, or the secondary focus areas.

Design Culture and Literacy Course List I

ALA 100: Introduction to Environmental Design (HU & H & G)

ALA 102: Landscapes and Sustainability (HU & G)

DSC 101: Design Awareness (HU & G)

GRA 101: Designing Life

GRA 111: Graphic Design History I (HU)

Design Fundamentals and Principles I
Course List (choose 1 course; 3 hours)

ALA 121: Design Fundamentals I

GRA 121: Principles for Graphic Design I

IND 120: Drawing for Industrial Design

INT 120: Design Drawing and Media

Design Fundamentals and Principles II
Course List (choose 1 course; 3-4 hours)

ALA 122: Design Fundamentals II AND
ALA 124: Design Fundamentals II
Lecture

EDS 223: Design Thinking

GRA 122: Principles for Graphic Design II

IND 121: Principles for Industrial Design I AND IND 122: Principles for Industrial Design II

INT 221: Principles of Design AND INT 222: Principles of Design Lecture

Design Culture and Literacy II Course List

ALA 100: Introduction to Environmental Design (HU & H & G)

ALA 102: Landscapes and Sustainability (HU & G)

DSC 101: Design Awareness (HU & G)

GRA 112: Graphic Design History II

INT 123: Introduction to Computer-Aided Design of Built Environments

Innovation, Technology and Design Strategies Focus. Select 21 credit hours in the main focus area; 6 credit hours in each of the other two areas of focus.

AAD 484: Internship

AAD 552: Architectural Management II

ALA 102: Landscapes and Sustainability (HU & G)

ALA 122: Design Fundamentals II

ALA 124: Design Fundamentals II Lecture

ALA 235: Introduction to Computer Modeling (CS)

ALA 240: Sustainable Design in Built Environment

ADE 242: Introduction to Building Systems

AME 112: Computational Thinking for Digital Culture

ANP 394: Digital Design and Culture , Digital Modeling and Fabrication

ANP 494: Advanced Computer Modeling , Design by Algorithm , Designing Hybrid Spaces

ATE 361: Building Structures I

ATE 362: Building Structures II

ATE 451: Building Systems I

ATE 452: Building Systems II

CON 101: Construction and Culture: a Built Environment (HU & H & G)

CON 294: Deductive Logic, Leadership/Management Techniques

CON 494: Facilities Management Operations and Maintenance , Facilities Project Management , Facility Management Building Energy Management

DSC 394: Digital Modeling

GRA 294: Dynamic Visual
Representation , Illustrator , InDesign

GRA 345: Design Rhetoric (L)

GRA 440: Finding Purpose

IND 121: Principles for Industrial Design
I

IND 242: Materials and Design

IND 344: Human Factors in Design

INT 120: Design Drawing and Media

INT 121: Introduction to Computer
Modeling for Interior Design (CS)

INT 123: Introduction to Computer-Aided
Design of Built Environments

INT 131: Design and Human Behavior
(SB)

INT 253: Interior Materials, Finishes, and
Specifications

INT 341: Interior Codes: Public Welfare
and Safety

INT 351: Ambient Environment

INT 352: Construction Methods in Interior
Design

INT 471: Facilities Management

INT 472: Professional Practice for Interior
Design

Histories and Theories of Design Focus.
Select 21 credit hours in the main focus
area; 6 credit hours in each of the other
two areas of focus.

ALA 102: Landscapes and Sustainability
(HU & G)

APH 212: Culture of Place (HU)

APH 313: History of Architecture I ((L or
HU) & G & H)

APH 314: History of Architecture II ((L or
HU) & G & H)

APH 336: 20th-Century Architecture I
(HU)

APH 337: 20th-Century Architecture II
(HU)

APH 414: History of the City ((L or HU)
& H)

APH 421: First Concepts: What is... The
Writing, Philosophy, and Culture of
Architecture (L or HU)

GRA 101: Designing Life

GRA 111: Graphic Design History I (HU)

GRA 112: Graphic Design History II

GRA 225: Communication/Interaction
Design Theory

GRA 440: Finding Purpose

IND 316: 20th-Century Design I (HU & H)

IND 317: 20th-Century Design II (HU & H)

INT 111: Interior Design Issues and Theories (HU)

INT 131: Design and Human Behavior (SB)

INT 310: History of Interior Design I (HU & H)

INT 311: History of Interior Design II (HU & H)

INT 412: History of Decorative Arts in Interiors (HU)

INT 413: History of Textiles in Interior Design

INT 415: Latin American Design

or other related courses as recommended by faculty

Sustainability in Environmental Design Focus. Select 21 credit hours in the main focus area; 6 credit hours in each of the other two areas of focus.

ALA 102: Landscapes and Sustainability (HU & G)

ALA 240: Sustainable Design in Built Environment

APH 414: History of the City ((L or HU) & H)

ATE 451: Building Systems I

ATE 452: Building Systems II

SOS 100: Introduction to Sustainability (G)

SOS 111: Sustainable Cities ((HU or SB) & G)

SOS 181: Technological, Social, and Sustainable Systems (HU)

SOS 320: Society and Sustainability (L or SB)

SOS 323: Sustainable Urban Dynamics

SOS 324: Sustainable Energy, Materials, and Technology

SOS 325: The Economics of Sustainability

URB 220: Introduction to Urban America

URB 302: Urban Theory

URB 406: Public Administration & Community Development

URB 494: Public Engagement in Urban Contexts

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Film (Film and Media Production), BA

Herberger Institute for Design and the Arts

Tempe campus

FAFLMBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Complete 2 courses: FMP 201: Film: The Creative Process I (HU) OR  FMP 250: Sex and Violence in Film and TV: Ethics Survey OR FMS 100: Introduction to Film (HU) OR FMS 200: Film History ((L or HU)& H) OR FMP 261: Introduction to Screenwriting	6	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • Students interested in the Film and Media Production concentration must successfully pass an interview and portfolio review in the semester they are completing the film core. See the Film and Media Production major map. For information on the interview and portfolio review process, visit http://theatreilm.asu.edu/admissions/undergrad/applying/ba_fmp.php • THF 125: Orientation to Theatre and Film required of all freshman theatre and film majors only. • Minimum 3.0 Film Core GPA required for highly selective Film and Media Production concentration.
 THF 125: Orientation to Theatre and Film	1	C	
 THF 160: Introduction to Storytelling or THF 215: Design and Composition for Theatre and Film	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 33 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Complete 3 courses: FMP 201: Film: The Creative Process I (HU) OR  FMP 250: Sex and Violence in Film and TV: Ethics Survey OR FMS 100: Introduction to Film (HU) OR FMS 200: Film History ((L or HU)& H) OR FMP 261: Introduction to Screenwriting	9	C	• THF 160, THF 215 and FMP 261 must be completed by term 3. • Students interested in the Film and Media Production concentration must successfully pass an interview and portfolio review in the semester they are completing the film core. See the Film and Media Production major map. For interview and portfolio review visit http://theatreilm.asu.edu/admissions/undergrad/applying/ba_fmp.php • Minimum 3.0 Film Core GPA required for highly selective Film and Media Production concentration.
 THF 126: School of Theatre and Film: First-Year Experience	2	C	
 THF 160: Introduction to Storytelling or THF 215: Design and Composition for Theatre and Film	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Milestone: Successful completion of an interview and portfolio review.			

❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Maintain 3.00 GPA in Theatre and Film courses.

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 17

Term 3 34 - 47 Credit Hours **Critical**
course signified by ❖

Hours

Minimum
Grade

Notes

❖ THF 220: Principles of Dramatic Analysis (L or HU)

3

C

❖ FMP 220: Film and Media Post-Production 1

1

C

Natural Science - Quantitative (SQ)

4

Social-Behavioral Sciences (SB) AND
Cultural Diversity in the U.S. (C)

3

Elective

3

❖ Complete Mathematics (MA) requirement.

Complete First-Year Composition
requirement.

Maintain 3.00 GPA in Theatre and Film
courses.

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 14

- Students interested in the Film and Media Production concentration must successfully pass an interview and portfolio review in the semester they are completing the film core. See the Film and Media Production major map. For information on the interview and portfolio review process, visit http://theatrefilm.asu.edu/admissions/undergrad/applying/ba_fmp.php
- Minimum 3.0 Film Core GPA required for highly selective Film and Media Production concentration.

Term 4 48 - 63 Credit Hours **Critical** course signified by ❖

Hours

Minimum
Grade

Notes

❖ FMP 300: Film Production: Film & Media Part 1

3

C

Film Elective

3

C

Natural Science - Quantitative (SQ) OR
Natural Science - General (SG)

4

Social-Behavioral Sciences (SB) AND Global Awareness (G)

3

Elective

3

Maintain 3.00 GPA in Theatre and Film courses.

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 5 64 - 78 Credit Hours **Necessary** course signified by ★

Hours

Minimum
Grade

Notes

★ FMP 320: Film and Media Post-Production II

3

C

THP 387: Acting: TV and Film

3

C

Film Elective

3

C

Computer/Statistics/Quantitative Applications (CS)

3

Upper Division Elective

3

Maintain 3.00 GPA in Theatre and Film courses.

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15

Minimum

Term 6	79 - 92 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★	FMP 318: Directing for Film	3	C	
	FMP 398: Capstone Development	2	C	
	THE 403: Independent Film (HU)	3	C	
	Upper Division Film Elective	3	C	
	Upper Division Literacy and Critical Inquiry (L)	3		
	Maintain 3.00 GPA in Theatre and Film courses.			
	Minimum 2.50 GPA ASU Cumulative.			
	Term hours subtotal:	14		

Term 7	93 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	FMP 480: Film Production Capstone I	3	C	
	Upper Division Film Elective	3	C	
	Complete 2 courses: Upper Division Elective	6		
	Elective	3		
	Maintain 3.00 GPA in Theatre and Film courses.			
	Minimum 2.50 GPA ASU Cumulative.			
	Term hours subtotal:	15		

Term 8	108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	FMP 481: Film Production Capstone II	3	C	
	FMP 417: Business Ethics in Entertainment	3	C	
	Upper Division Film Elective	3	C	
	Complete 2 courses: Elective	4-5		
	Maintain 3.00 GPA in Theatre and Film courses.			
	Minimum 2.50 GPA ASU Cumulative.			
	Term hours subtotal:	13-14		

- FMP 417 is only offered in spring semester.
- Transfer students complete 1 additional hour of elective credit in term 8 to reach 120 hours because THF 125: Orientation to Theatre & Film (term 1) is not required for transfer students.

Film Electives: Select 5 courses; 15 credits (minimum 9 upper-division credits)

FMP 294: Special Topics

FMP 394: Special Topics

FMP 494: Special Topics

THE 404: World Cinema (G)

THE 405: Film: Great Performers and Directors (HU)

THE 421: Shakespeare: Stage and Film (L or HU)

THE 430: History of Fashion

THF 160: Introduction to Storytelling

THF 215: Design and Composition for
Theatre and Film

THP 313: Fundamentals of Design

THP 330: Costume Design

THP 340: Scene Design

THP 345: Lighting Design

THP 350: Sound Design

THP 352: Foundations of Arts
Entrepreneurship

THP 355: Media Design for Performance

THP 406: Advanced Scenography

THP 445: Advanced Lighting Design

THP 455: Advanced Media Design or
THP 494: Art Direction

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Film (Filmmaking Practices), BA

Herberger Institute for Design and the Arts

Tempe campus
FAFPRBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>  FMP 201: Film: The Creative Process I (HU) OR  FMP 250: Sex and Violence in Film and TV: Ethics Survey OR FMS 100: Introduction to Film (HU) OR FMS 200: Film History ((L or HU)& H) OR FMP 261: Introduction to Screenwriting	6	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • Students interested in the Film and Media Production concentration must successfully pass an interview and portfolio review in the semester they are completing the Film core. See Film and Media Production major map. For information on the interview and portfolio review process, visit: http://theatrefilm.asu.edu/admissions/undergrad/applying/ • THF 125: Orientation to Theatre & Film required of all freshman theatre and film majors only. • Minimum 3.0 Film Core GPA required for highly selective Film and Media Production concentration.
 THF 125: Orientation to Theatre and Film	1	C	
 THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Maintain 2.50 GPA in Theatre and Film courses.			
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 33 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
<i>Complete 3 courses:</i> FMP 201: Film: The Creative Process I (HU) OR  FMP 250: Sex and Violence in Film and TV: Ethics Survey OR FMS 100: Introduction to Film (HU) OR FMS 200: Film History ((L or HU)& H) OR FMP 261: Introduction to Screenwriting	9	C	• THF 160, THF 215 and FMP 261 must be completed by term 3. • Students interested in the Film and Media Production concentration must successfully pass an interview and portfolio review in the semester they are completing the Film core. See Film and Media Production major map. For information on the interview and portfolio review process, visit: http://theatrefilm.asu.edu/admissions/undergrad/applying/ba_fmp.php • Minimum 3.0 Film Core GPA required for highly selective Film and Media Production concentration.
 THF 126: School of Theatre and Film: First-Year Experience	2	C	
 THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.50 GPA in Theatre and Film courses.			
Minimum 2.00 GPA ASU Cumulative.			

Term hours subtotal: 17

Term 3 34 - 49 Credit Hours Critical		Hours	Minimum Grade	Notes
course signified by 				
	THF 101: Acting Introduction OR THP 194: Understanding Acting	3	C	• Complete THF 220 by the end of term 4. • Students interested in the Film and Media Production concentration must successfully pass an interview and portfolio review in the semester they are completing the Film core. See Film and Media Production major map. For information on the interview process, visit: http://theatrefilm.asu.edu/admissions/undergrad/applying/ba_fmp.php • Minimum 3.0 Film Core GPA required for highly selective Film and Media Production concentration.
	THF 220: Principles of Dramatic Analysis (L or HU)	3	C	
	Natural Science - Quantitative (SQ)	4		
	Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
	Elective	3		
	Complete Mathematics (MA) requirement.			
	Complete First-Year Composition requirement.			
	Maintain 2.50 GPA in Theatre and Film courses.			
	Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16		

Term 4 50 - 65 Credit Hours Critical		Hours	Minimum Grade	Notes
course signified by 				
 FMP 300: Film Production: Filmmaking Practices		3	C	• Students interested in the Film and Media Production concentration must successfully pass an interview and portfolio review in the semester they are completing the Film core. See Film and Media Production major map. For information on the interview process, visit: http://theatrefilm.asu.edu/admissions/undergrad/applying/ba_film.php • Complete FMP 300 by the end of term 5. • Minimum 3.0 Film Core GPA required for highly selective Film and Media Production concentration.
Film Elective		3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)		4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)		3		
Elective		3		
 Complete THF 220 course.				
Minimum 2.00 GPA ASU Cumulative.				
Maintain 2.50 GPA in Theatre and Film courses.				
Term hours subtotal:		16		

Term 5	66 - 81 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes
	FMP 380: Film Production Crew OR FMP 484: Internship		1	C	• Students must take 3 credit hours of either FMP 380 Film Production Crew or FMP 484 Internship by the end of term 8 to meet this requirement. • Upper Division Related Study Elective: Course cannot be from FMP, THE or THP prefix; must have Film in the title.
	THE 403: Independent Film (HU)		3	C	
	Film Elective		3	C	
	Upper Division Related Study Elective		3	C	
	Computer/Statistics/Quantitative Applications (CS)		3		
	Elective		3		
	Complete THF 101 OR THP 194: Understanding Acting course(s).				
	Minimum 2.00 GPA ASU Cumulative.				
	Maintain 2.50 GPA in Theatre and Film courses.				
	Term hours subtotal:		16		

Term 6 82 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THF 397: Professional Development Seminar	1	C	- Students must take 3 credit hours of either FMP 380 Film Production Crew or FMP 484 Internship by the end of term 8 to meet this requirement. - Upper Division Related Study Elective: Course cannot be from FMP, THE or THP prefix; must have Film in the title.
★ FMP 380: Film Production Crew OR FMP 484: Internship	1	C	
Upper Division Film Elective	3	C	
Upper Division Related Study Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	2		
Maintain 2.50 GPA in Theatre and Film courses.			
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 7 95 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FMP 380: Film Production Crew OR FMP 484: Internship	1	C	Students must take 3 credit hours of either FMP 380 Film Production Crew or FMP 484 Internship to satisfy the requirement.
Complete 2 courses: Upper Division Film Elective	6	C	
Complete 2 courses: Upper Division Elective	6		
Maintain 2.50 GPA in Theatre and Film courses.			
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THF 497: Senior Project	1-6	C	- Upper Division Related Study Elective: Course cannot be from FMP, THE or THP prefix; must have Film in the title. - Transfer students complete 1 additional hour of elective credit in term 8 to reach 120 hours because THF 125: Orientation to Theatre & Film (term 1) is not required for transfer students.
Upper Division Film Elective	3	C	
Upper Division Related Study Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Maintain 2.50 GPA in Theatre and Film courses.			
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	13-18		

Film Electives: Select 5 courses; 15 credits (minimum 9 upper-division credits)

FMP 294: Special Topics

FMP 394: Special Topics

FMP 494: Special Topics

THE 404: World Cinema (G)

THE 405: Film: Great Performers and Directors (HU)

THE 421: Shakespeare: Stage and Film (L or HU)

THE 430: History of Fashion

THF 160: Introduction to Storytelling

THF 215: Design and Composition for Theatre and Film

THP 313: Fundamentals of Design

THP 330: Costume Design

THP 345: Lighting Design

THP 350: Sound Design

THP 352: Foundations of Arts Entrepreneurship

THP 355: Media Design for Performance

THP 406: Advanced Scenography

THP 445: Advanced Lighting Design

THP 452: Arts Entrepreneurship Seminar

THP 455: Advanced Media Design

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Graphic Design, BSD

Herberger Institute for Design and the Arts

Tempe campus
ARGRABSD

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DSC 100: ASU Design Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Design majors complete DSC 100 to fulfill this requirement.
 GRA 101: Designing Life	3	C	
 GRA 111: Graphic Design History I (HU)	3	C	
 GRA 121: Principles for Graphic Design I	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
INT 121: Introduction to Computer Modeling for Interior Design (CS) OR Computer/Statistics/Quantitative Applications (CS)	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GRA 112: Graphic Design History II	3	C	• Graphic Design majors must successfully pass a degree milestone at the end of their freshman year to continue in the degree program. Applying to pass the degree milestone requirement is competitive and limited by available resources. Selection is awarded to those applicants demonstrating the highest promise for professional success. Students who do not pass the degree milestone should meet with their academic advisor. For more information on the degree milestone application process, visit http://herbergerinstitute.asu.edu/degrees/milestone.php.
 GRA 122: Principles for Graphic Design II	3	C	
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR ARS 102: Art from Renaissance to Present (HU & H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 2.75 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Milestone: Evaluation required.			
 GRA 220: Design Drawing I	3	C	
 GRA 221: Letterform	3	C	
 GRA 222: Visual Communication I	3	C	

❗ GRA 225: Communication/Interaction Design Theory	3	C
Literacy and Critical Inquiry (L)	3	
❗ Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Minimum 3.00 GPA ASU Cumulative.		
Term hours subtotal:	15	

Term 4 47 - 62 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ GRA 223: Typography	3	C	
❗ GRA 224: Visual Communication II	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 63 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GRA 321: Technology for Design I	3	C	
★ GRA 361: Visual Communication III	5	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 78 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GRA 322: Technology for Design II	3	C	
★ GRA 362: Visual Communication IV	5	C	
ARS 300: Introduction to Art (HU)	3	C	
GRA 345: Design Rhetoric (L)	3	C	
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Summer 6 92 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GRA 484: Internship	2	Y	
Term hours subtotal:	2		

Term 7 94 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GRA 421: Exhibit Design	3	C	

★ GRA 422: Motion Graphics and Interaction Design	3	C
★ GRA 461: Visual Communication V	5	C
Cultural Diversity in the U.S. (C)	3	
Minimum 3.00 GPA ASU Cumulative.		
Term hours subtotal:	14	

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GRA 423: Advanced Interaction Design	3	C	
★ GRA 424: Advanced Media	3	C	
★ GRA 462: Visual Communication VI	5	C	
Elective	2		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	13		

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Industrial Design, BSD

Herberger Institute for Design and the Arts

Tempe campus
ARINDBSD

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DSC 100: ASU Design Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Design majors take DSC 100 to fulfill this requirement.
 DSC 101: Design Awareness (HU & G)	3	C	
 IND 120: Drawing for Industrial Design	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
PSY 101: Introduction to Psychology (SB)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 IND 121: Principles for Industrial Design I	3	C	• Industrial Design majors must successfully pass a degree milestone at the end of their freshman year to continue in the degree program. Applying to pass the degree milestone requirement is competitive and limited by available resources. Selection is awarded to those applicants demonstrating the highest promise for professional success. Students who do not pass the degree milestone should meet with their academic advisor. For more information on the degree milestone application process, visit http://herbergerinstitute.asu.edu/degrees/milestone.php.
 IND 122: Principles for Industrial Design II	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 33 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Milestone: Evaluation required.			
 DSC 236: Introduction to Computer Modeling (CS)	3	C	
 IND 227: Visual Methods for Problem Solving	3	C	
 IND 242: Materials and Design	3	C	

❗ IND 260: Industrial Design I	3	C
ECN 212: Microeconomic Principles (SB)	3	
❗ Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Minimum 3.00 GPA ASU Cumulative.		
Term hours subtotal:	15	

Term 4 48 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ IND 228: Imaging and Visualization	3	C	
❗ IND 243: Design for Ecology and Social Equity	3	C	
❗ IND 261: Industrial Design II	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 64 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IND 327: Presentation Graphics	3	C	
★ IND 360: Industrial Design III	5	C	
IND 316: 20th-Century Design I (HU & H)	3	C	
IND 344: Human Factors in Design	3	C	
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 6 78 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IND 328: Graphics for Industrial Design	3	C	• Summer Internship: students complete an internship between terms 6 and 7.
★ IND 361: Industrial Design IV	5	C	
IND 317: 20th-Century Design II (HU & H)	3	C	
IND 354: Principles of Product Design	3	C	
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Summer 6 92 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IND 484: Internship	2	Y	
Term hours subtotal:	2		

Term 7 94 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IND 460: Design Project I	5	C	

★ IND 470: Professional Practice for Industrial Design (L)	3	C
MKT 395: Essentials of Advertising and Marketing Communication OR Upper Division Approved Marketing Course	3	
Elective	3	
Minimum 3.00 GPA ASU Cumulative.		
Term hours subtotal:	14	

- Summer Internship: students complete the internship between terms 6 and 7.
- Substitution for MKT 395 must be approved by industrial design before enrolling for the course. Please see advisor.

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IND 461: Design Project II	5	C	
ENG 301: Writing for the Professions (L)	3		
Cultural Diversity in the U.S. (C)	3		
Elective	2		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	13		

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Interior Design, BSD

Herberger Institute for Design and the Arts
Tempe campus
ARINTBSD

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DSC 100: ASU Design Experience	1	C	- An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses - ASU Math Placement Exam score determines placement in Mathematics course - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Design majors take DSC 100 to fulfill this requirement.
 INT 111: Interior Design Issues and Theories (HU)	3	C	
 INT 120: Design Drawing and Media	3	C	
 INT 121: Introduction to Computer Modeling for Interior Design (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 INT 123: Introduction to Computer-Aided Design of Built Environments	3	C	Interior Design majors must successfully pass a degree milestone at the end of their freshman year to continue in the degree program. Applying to pass the degree milestone requirement is competitive and limited by available resources. Selection is awarded to those applicants demonstrating the highest promise for professional success. Students who do not pass the degree milestone should meet with their academic advisor. For more information on the degree milestone application process, visit http://herbergerinstitute.asu.edu/degrees/milestone.php
 INT 131: Design and Human Behavior (SB)	3	C	
 INT 221: Principles of Design	3	C	
 INT 222: Principles of Design Lecture	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Milestone: Evaluation required.			
 INT 223: Drafting for Interior Design	3	C	
 INT 261: Interior Design Studio I: Residential	3	C	

PHY 101: Introduction to Physics (SQ)	4	C
Literacy and Critical Inquiry (L)	3	
🚩 Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Minimum 3.00 GPA ASU Cumulative.		
Term hours subtotal:	13	

Term 4 45 - 58 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 INT 253: Interior Materials, Finishes, and Specifications	3	C	
🚩 INT 262: Interior Design Studio II: Hospitality	3	C	
🚩 INT 341: Interior Codes: Public Welfare and Safety	2	C	
ARS 102: Art from Renaissance to Present (HU & H)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 59 - 73 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ INT 362: Interior Design Studio III: Hospitality and Retail	5	C	
INT 310: History of Interior Design I (HU & H)	3	C	
INT 351: Ambient Environment	3	C	
INT 352: Construction Methods in Interior Design	3	C	
INT 381: Preinternship Seminar	1	Y	
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6	74 - 87 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes
	INT 363: Interior Design Studio IV		5	C	Summer Internship: students complete an internship between terms 6 and 7.
	INT 311: History of Interior Design II (HU & H)		3	C	
	INT 354: Construction Documents		3	C	
	Elective		3		
Minimum 3.00 GPA ASU Cumulative.					
Term hours subtotal:			14		

Summer 6 88 - 89 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ INT 484: Internship	2	Y	
Term hours subtotal:	2		

Term 7 90 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ INT 464: Interior Design Studio V: Work Environments	5	C	

INT 415: Latin American Design	3	C
INT 471: Facilities Management	3	C
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
Minimum 3.00 GPA ASU Cumulative.		
Term hours subtotal:	15	

- Summer Internship: students complete an internship between terms 6 and 7.

Term 8	105 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	INT 465: Interior Design Studio VI: Institutional Design		5	C	
	INT 472: Professional Practice for Interior Design		2	C	
	Upper Division Literacy and Critical Inquiry (L)		3		
	Global Awareness (G)		3		
	Elective		3		
	Minimum 3.00 GPA ASU Cumulative.				
	Term hours subtotal:		16		

- For elective course recommendation and offerings, please see your academic advisor.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 3.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Landscape Architecture, BSLA

Herberger Institute for Design and the Arts
Tempe campus
ARPLABSLA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ALA 100: Introduction to Environmental Design (HU & H & G) OR ALA 102: Landscapes and Sustainability (HU & G)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Design majors take DSC 100 to fulfill this requirement.
 ALA 121: Design Fundamentals I	3	C	
 DSC 100: ASU Design Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ALA 100: Introduction to Environmental Design (HU & H & G) OR ALA 102: Landscapes and Sustainability (HU & G)	3	C	• Landscape Architecture majors must successfully pass a degree milestone at the end of their freshman year to continue in the degree program. Applying to pass the degree milestone requirement is competitive and limited by available resources. Selection is awarded to those applicants demonstrating the highest promise for professional success. Students who do not pass the degree milestone should meet with their academic advisor. For more information on the degree milestone application process, visit http://herbergerinstitute.asu.edu/degrees/milestone.php.
 ALA 122: Design Fundamentals II	3	C	
 ALA 124: Design Fundamentals II Lecture	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 2.75 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 33 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Milestone: Evaluation required.			
 ALA 225: Design Fundamentals III	4	C	
 ALA 235: Introduction to Computer Modeling (CS)	3	C	

GPH 111: Introduction to Physical Geography (SQ)	4	
LPH 310: History of Landscape Architecture (HU & H & G)	3	C
❗ Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Minimum 3.00 GPA ASU Cumulative.		
Term hours subtotal:	14	

Term 4 47 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ ALA 226: Design Fundamentals IV	4	C	
❗ LAP 252: Natural Systems	3	C	
LPH 311: 20th-Century Landscape Architecture (HU)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
❗ Complete GPH 111 course.			
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 61 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LDE 361: Landscape Architecture I	5	C	
★ LTC 343: Landscape Construction I	3	C	
Literacy and Critical Inquiry (L)	3		
Elective	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 6	75 - 89 Credit Hours	Necessary course signified by 🌟	Hours	Minimum Grade	Notes
🌟	LAA 345: Professional Practice Seminar		1	C	• Summer experience: Students complete LAP 484: Internship (optional) or LAP 485: International Field Studies with a passing grade in the summer between terms 6 and 7.
🌟	LAP 354: Plant Materials		3	C	
🌟	LDE 362: Landscape Architecture II		5	C	
	Upper Division Design Professional Elective		3	C	
	Elective		3		
Minimum 3.00 GPA ASU Cumulative.					
Term hours subtotal:			15		

Summer 6 90 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LAP 484: Internship OR LAP 485: International Field Studies	2	Y	
Term hours subtotal:	2		

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ LDE 363: Landscape Planting Design	3	C
★ LDE 461: Landscape Architecture III	5	C
★ LTC 344: Landscape Construction II	3	C
Upper Division Design Professional Elective	3	C
Elective	2	
Minimum 3.00 GPA ASU Cumulative.		
Complete LAP 484 OR LAP 485 course(s).		
Term hours subtotal:	16	

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LDE 462: Landscape Architecture IV	5	C	
★ LTC 446: Landscape Construction III	3	C	
LPH 411: Landscape Architecture Theory and Criticism (L)	3	C	
Elective	2		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	13		

Design Professional Elective: Select 2 courses; 6 credits

ANP OR APH OR AVC OR DSC OR
GRA OR HUD OR IND OR INT OR
LAP OR LNP OR LPH OR LTC OR
ADE OR LDE Upper Division Elective

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Music, BA**

Herberger Institute for Design and the Arts
Tempe campus
FAMUSBA

Term 1 0 - 17 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.			• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill this requirement. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. MUP 101: ASU School of Music Experience - First Year Seminar is required of all freshman music majors. • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. • Courses offered in fall semester only: MTC 125, MUP 131, MUP 101. • Completion of Piano Diagnostic Exam determines placement into Class Piano courses. • See course list for MUP 4** Music Ensemble course options.
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 111: Studio Instruction	2	C	
 4** MUP Music Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
MUP 131: Class Piano	1	C	
Mathematics (MA)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	17		

Term 2 18 - 33 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MUP 111: Studio Instruction	2	C	• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts.
 4** MUP Music Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	

MHL 140: Music as Culture (HU & G)	3	C
MTC 221: Music Theory: 18th Century	3	C
MUP 132: Class Piano	1	C
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3	
❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
Term hours subtotal:	16	

- Courses offered in spring semester only: MTC 221, MUP 132.

Term 3 34 - 48 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MUP 111: Studio Instruction	2	C	• Second Language: Consult with advisor for approved list; It is recommended for Second Language 101 and 102 to be completed by the end of term 4. • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. • Courses offered in fall semester only: MTC 222, MUP 231.
❗ 4** MUP Music Ensemble	1	C	
MTC 222: Music Theory: 19th Century	3	C	
MUP 231: Class Piano	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course through the intermediate level (202 or equivalent).	4		
Natural Science - Quantitative (SQ)	4		
❗ Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Complete MUP 131 by end of term 3.			
Term hours subtotal:	15		

Term 4 49 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MUP 111: Studio Instruction	2	C	• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. • Courses offered in spring semester only: MTC 223, MUP 232.
❗ 4** MUP Music Ensemble	1	C	
MTC 223: Music Theory: 20th Century	3	C	
MUP 232: Class Piano	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course through the intermediate level (202 or equivalent).	4		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete MUP 132 by end of term 4.			
Complete Second Language 101 and 102 by end of term 4.			
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 341: Music History I (HU)	3	C	• One semester of Counterpoint is required. Choose from MTC 320 or MTC 321. Complete by the end of term 6. • Courses offered in fall semester only: MHL 341 and MTC 320 (odd numbered fall semesters only).
MTC 320: Modal Counterpoint OR MTC 321: Tonal Counterpoint	2	C	
Computer/Statistics/Quantitative Applications (CS) OR MHL 201: Media Literacy for Musicians (CS)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course through the intermediate level (202 or equivalent).	4		
Literacy and Critical Inquiry (L)	3		

Complete MUP 231 by end of term 5.
Complete Second Language 201 and 202 by end of term 6.
Term hours subtotal: 15

Term 6	79 - 91 Credit Hours	Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐	MHL 342: Music History II (HU)		3	C	Courses offered in spring semester only: MHL 342 and MTC 321 (even numbered spring semesters only).
⭐	Second Language: Requirement satisfied through the following: * Completion of a language course through the intermediate level (202 or equivalent).		4		
	MHL OR MTC OR MUP OR MUE Upper Division Elective		3	C	
	Upper Division Elective		3		
	Complete MTC 320 OR MTC 321 by end of term 6.				
	Complete MUP 232 by end of term 6.				
	Term hours subtotal:		13		

Term 7	92 - 105 Credit Hours	Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐	MTC 422: Musical Acoustics		3	C	Courses offered in fall semester only: MTC 422.
	MHL 439: Topics in 19th-Century Music (L & H) OR MHL 440: Music Since 1900 (L or HU) OR Upper Division MHL course (L)		3	C	
	MHL OR MTC Upper Division Elective		3	C	
	MHL OR MTC OR MUP OR MUE Upper Division Elective		3	C	
	Elective		2		
	Term hours subtotal:		14		

Term 8	106 - 120 Credit Hours	Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐	Complete 2 courses: MHL OR MTC Upper Division Elective		6	C	
	MHL OR MTC OR MUP OR MUE Upper Division Elective		3	C	
	MHL Upper Division Elective		3	C	
	Upper Division Elective		3		
	Term hours subtotal:		15		

MUP Music Ensembles Course List
MUP 385: Percussion Ensemble
MUP 442: Instrumental Ensembles
MUP 443: Choral Ensembles
MUP 450: Choral Union
MUP 455: Men's Chorus
MUP 457: Women's Chorus
MUP 479: Chamber Music Ensembles
MUP 486: Jazz Band

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Music Education, BMUS

Herberger Institute for Design and the Arts

Tempe campus
FAMUSEBM

Term 1 0 - 17 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.			• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. MUE 101: ASU School of Music Experience - First Year Seminar required of all freshman music education majors. • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. • MUP 131: Class Piano must be taken rather than MUP 133: Class Voice unless piano is primary instrument. • Courses offered fall semester only: MUE 101, MTC 125, MUP 131, MUP 133.
 MTC 125: Basic Music Theory	3	C	
 MUE 101: The ASU School of Music Experience	1	C	
 MUP 111: Studio Instruction	2	C	
 MUP 443: Choral Ensembles OR MUP 442: Instrumental Ensembles	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Music as Culture (HU & G)	3	C	
MUP 131: Class Piano OR MUP 133: Class Voice	1	C	
Mathematics (MA)	3		
Term hours subtotal:	17		

Term 2 18 - 33 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MTC 221: Music Theory: 18th Century	3	C	• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. • Courses offered in spring semester only: MUE 110, MTC 221, MUP 132, MUP 134, MUP 154.
 MUE 110: Introduction to Music Education	2	C	
 MUE 154: Gesture and Sound	1	C	
 MUP 111: Studio Instruction	2	C	
 MUP 443: Choral Ensembles OR MUP 442: Instrumental Ensembles	1	C	

ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C
MUP 132: Class Piano OR MUP 134: Class Voice	1	C
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3	
❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
Term hours subtotal:	16	

Term 3 34 - 50 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MTC 222: Music Theory: 19th Century	3	C	• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. • For iTeachAZ, apply for DPS fingerprint clearance card. • Refer to course list and consult with faculty mentor regarding MUE 3**: Lab Course selection. • Courses offered in fall semester only: MHL 201, MTC 222, MUP 231, MUP 233.
❗ MUP 111: Studio Instruction	2	C	
❗ Complete 2 courses: Upper Division MUE 3**: Lab Course	4	C	
MHL 201: Media Literacy for Musicians (CS)	3	C	
MUP 443: Choral Ensembles OR MUP 442: Instrumental Ensembles	1	C	
Natural Science - Quantitative (SQ)	4		
❗ Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	17		

Term 4 51 - 67 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MTC 223: Music Theory: 20th Century	3	C	• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. • Teachers College requirement: Complete the Intent to Progress form (meet with major advisor to complete this form). • Teachers College requirement: Submit copy of DPS fingerprint clearance card to Teachers College (Farmer 120) or upload copy to Intent to Progress form. • Teachers College requirement: Attend Teachers College Enrollment Workshop. • Refer to course list and consult with faculty mentor regarding MUE 3**: Lab Course selection. • Courses offered in spring semester only: MTC 223.
❗ MUP 111: Studio Instruction	2	C	
❗ MUP 443: Choral Ensembles OR MUP 442: Instrumental Ensembles	1	C	
❗ Complete 2 courses: Upper Division MUE 3**: Lab Course	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Milestone: All Music Education students must audition with Music Education Faculty during this term.			
Milestone: All Music Education students must successfully complete the milestone for iTeachAZ Professional Program this semester.			
Term hours subtotal:	17		

Term 5 68 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 341: Music History I (HU)	3	C	- Refer to course list and consult with faculty mentor regarding MUE 4**; Art of Teaching course selection. - Courses offered in fall semester only: MHL 341.
★ MUP 311: Studio Instruction	2	C	
★ SED 396: Clinical Experience I	1	Y	
MUP 443: Choral Ensembles OR MUP 442: Instrumental Ensembles	1	C	
TEL 315: Child and Adolescent Development (L or SB)	3	C	
MUE 4**: The Art of Teaching course	4	B-	
Term hours subtotal:	14		

Term 6 82 - 95 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 342: Music History II (HU)	3	C	- Refer to course list and consult with faculty mentor regarding MUE 4**; Art of Teaching course selection. - Courses offered in spring semester only: MHL 342.
★ MUP 311: Studio Instruction	2	C	
★ SED 397: Clinical Experience II	1	Y	
BLE 220: Foundations of Structured English Immersion	3	C	
MUP 443: Choral Ensembles OR MUP 442: Instrumental Ensembles	1	C	
MUE 4**: The Art of Teaching course	4	B-	
Term hours subtotal:	14		

Term 7 96 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	Refer to course list and consult with faculty mentor regarding MUE 4**; Art of Teaching course selection.
★ SED 496: Clinical Experience III	1	Y	
BLE 407: SEI for Secondary Students	3	C	
MUE 161: Introduction to Music Therapy	2	C	
MUP 443: Choral Ensembles OR MUP 442: Instrumental Ensembles	1	C	
MUP 495: Performance	0	Y	
MUE 4**: The Art of Teaching course	4	B-	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	16		

Term 8 112 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching in the Secondary School	9	Y	- Take the AEPA & NES Tests in term 8 (necessary for teacher certification). - Students needing full-time registration may register for 12 hours of student teaching.
Term hours subtotal:	9		

The Art of Teaching course list: Choose 3 courses (12 hours)

MUE 413: The Art of Teaching Children Music

MUE 415: The Art of Teaching Contemporary Musicians

MUE 480: The Art of Teaching Choral Musicians

MUE 481: The Art of Teaching Beginning Instrumentalists

MUE 482: The Art of Teaching Advanced Instrumentalists

MUE Lab course list: Choose 4 courses (8 hours)

MUE 317: Strings Lab

MUE 319: Digital and Hybrid Lab

MUE 327: Brass Lab

MUE 336: Percussion Lab

MUE 337: Woodwinds Lab

MUE 394: Guitar Lab

MUE 394: Jazz Lab

MUE 394: Keyboard Lab

MUE 394: Voice/Choral Lab

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Music Therapy, BMUS

Herberger Institute for Design and the Arts

Tempe campus
FAMUSTHBM

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.			
 MUE 101: The ASU School of Music Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • MUE 101: ASU School of Music Experience - First Year Seminar required of all freshman music majors. • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. • See course list for MUP 4** Music Ensemble course options. • Students are required to take statistics in term 4 and may choose from PSY 230 or STP 226; if students elect to take PSY 230, they must complete MAT 119 or MAT 170 for Mathematics (MA) requirement. • Courses offered in fall semester only: MUE 101, MTC 125, MUP 131.
 MUE 161: Introduction to Music Therapy	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
MUP 111: Studio Instruction	2	C	
MUP 131: Class Piano	1	C	
MUP 443: Choral Ensembles OR MUP 442: Instrumental Ensembles OR 4** MUP Music Ensemble	1	C	
Mathematics (MA)	3	C	
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MUP 111: Studio Instruction	2	C	• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. • Courses offered in spring semester only: MTC 221, MUP 132.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MHL 140: Music as Culture (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
MUP 132: Class Piano	1	C	

MUP 443: Choral Ensembles OR MUP 442: Instrumental Ensembles OR 4** MUP Music Ensemble	1	C
PSY 101: Introduction to Psychology (SB)	3	C
❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
Term hours subtotal:	16	

Term 3 33 - 50 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MUP 111: Studio Instruction	2	C	• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. • Courses offered in fall semester only: MUE 211, MUE 261, MTC 222, MUP 231.
❗ MUE 211: Music in Recreation	2	C	
❗ MUE 261: Music Therapy as a Behavioral Science	2	C	
CDE 232: Human Development (SB)	3		
MTC 222: Music Theory: 19th Century	3	C	
MUP 231: Class Piano	1	C	
MUP 443: Choral Ensembles OR MUP 442: Instrumental Ensembles OR 4** MUP Music Ensemble	1	C	
Natural Science - Quantitative (SQ)	4		
❗ Complete MTC 125 AND MUP 131.			
❗ Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	18		

Term 4 51 - 66 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MUP 111: Studio Instruction	2	C	• Students must pass a jury in term 4 to reach MUP 311. • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. • Courses offered in spring semester only: MTC 223, MUP 232.
MTC 223: Music Theory: 20th Century	3	C	
MUP 232: Class Piano	1	C	
MUP 443: Choral Ensembles OR MUP 442: Instrumental Ensembles OR 4** MUP Music Ensemble	1	C	
PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3		
SOC 101: Introductory Sociology (SB)	3		
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3		
❗ Complete MTC 221 AND MUP 132.			
Term hours subtotal:	16		

Term 5 67 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUE 384: Therapy Preclinical I	1	C	• A minimum of 4 hours of MUP 311: Studio Instruction is required. Complete remaining requirements if not yet completed; students may substitute Advanced
★ MUE 467: Music Therapy Theory and Practice in Psychopathology	3	C	
MHL 341: Music History I (HU)	3	C	
MUE 335: Educational Methods for Guitar	1	C	
MUE 465: Children's Music for Music Therapy	3	C	

MUP 133: Class Voice	1	C
MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting	1	C
MUP 311: Studio Instruction OR Upper Division Advanced Performance Course	1-2	C
MUP 443: Choral Ensembles OR MUP 442: Instrumental Ensembles OR 4** MUP Music Ensemble	1	C

★ Complete MTC 222 AND MUP 231.

Term hours subtotal: 15-16

Performance classes toward this requirement - please refer to Advanced Performance course list for options.

- Courses offered in fall semester only: MHL 341, MUE 465, MUE 467, MUE 133.

Term 6 82 - 97 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ MUE 385: Therapy Preclinical II	1	C
★ MUE 463: Music Therapy Techniques	3	C
MHL 342: Music History II (HU)	3	C
MUE 381: Music Therapy Research (L)	3	C
MUE 489: Repertoire for Music Therapy	3	C
MUP 134: Class Voice	1	C
MUP 311: Studio Instruction OR Upper Division Advanced Performance Course	1-2	C
MUP 443: Choral Ensembles OR MUP 442: Instrumental Ensembles OR 4** MUP Music Ensemble	1	C

★ Complete MTC 223 AND MUP 232.

Term hours subtotal: 16-17

- A minimum of 4 hours of MUP 311: Studio Instruction is required. Complete remaining requirements if not yet completed; students may substitute Advanced Performance classes toward this requirement - please refer to Advanced Performance course list for options.
- Courses offered in spring semester only: MHL 342, MUE 463, MUE 381, MUE 489, MUP 134.

Term 7 98 - 110 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ MUE 386: Therapy Preclinical III	1	C
MUE 475: Group Process and Music Therapy	1	C
MUP 311: Studio Instruction OR Upper Division Advanced Performance Course	1-2	C
BIO 201: Human Anatomy and Physiology I (SG)	4	
PSY 366: Abnormal Psychology (SB)	3	
Literacy and Critical Inquiry (L) AND Historical Awareness (H)	3	

Term hours subtotal: 13-14

- A minimum of 4 hours of MUP 311: Studio Instruction is required. Complete remaining requirements if not yet completed; students may substitute Advanced Performance classes toward this requirement - please refer to Advanced Performance course list for options.
- Course offered in fall semester only: MUE 475.

Term 8 111 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ MUE 476: Internship in Music Therapy	1	C
★ MUE 387: Therapy Preclinical IV	1	C
MUE 436: Percussion Methods for Music Therapy	1	C
MUE 441: Psychology of Music	3	C

- A minimum of 4 hours of MUP 311: Studio Instruction is required. Complete remaining requirements if not yet completed; students may substitute Advanced

MUP 311: Studio Instruction OR Upper Division Advanced Performance Course	1-2	C
DCE Elective	2	
MHL OR MTC OR MUP Elective	1-2	C
Term hours subtotal:	10-12	

Performance classes toward this requirement - please refer to Advanced Performance course list for options.

- Students register for MUE 476 (6-month internship) in last semester and complete it after finishing all coursework for the degree. Degree is posted after completion of all requirements and the internship.
- Courses offered in spring semester only: MUE 441, MUE 436.

Advanced Performance Course List

MUP 317: Applied Jazz Improvisation

MUP 321: Studio Instruction

MUP 385: Percussion Ensemble

MUP 479: Piano Ensemble

MUP 489: Ethnomusicology Ensembles

4** MUP Music Ensembles Course List

MUP 442: Instrumental Ensembles

MUP 443: Choral Ensembles

MUP 479: Chamber Music Ensembles

MUP 486: Jazz Band

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Performance (Collaborative Piano), BMUS**

Herberger Institute for Design and the Arts

Tempe campus
FAMUSPPBM

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.			• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill requirement. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. MUP 101: ASU School of Music Experience - First Year Seminar is required of all freshman music majors. • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. • Courses offered fall semester only: MTC 125, MUP 101. • See course list for MUP 4** Music Ensemble course options.
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 127: Studio Instruction	4	C	
 MUP 479: Piano Ensemble	1	C	
 4** MUP Music Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 125: Basic Music Theory	3	C	
Mathematics (MA)	3		
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MHL 140: Music as Culture (HU & G)	3	C	• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. • Course offered in spring semester only: MTC 221.
 MUP 127: Studio Instruction	4	C	
 MUP 479: Piano Ensemble	1	C	
 4** MUP Music Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MTC 221: Music Theory: 18th Century	3	C	

❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Term hours subtotal: 15

Term 3 32 - 47 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MUP 127: Studio Instruction	4	C	• Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts. • Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by end of term 3 will negatively impact ability to complete degree in four years. • Course offered in fall semester only: MTC 222.
❗ MUP 250: Diction for Singers	1	C	
❗ MUP 479: Piano Ensemble	1	C	
MTC 222: Music Theory: 19th Century	3	C	
Computer/Statistics/Quantitative Applications (CS) OR MHL 201: Media Literacy for Musicians (CS)	3	C	
Natural Science - Quantitative (SQ)	4		
❗ Complete MTC 125 by end of term 3.			
❗ Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 48 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MUP 127: Studio Instruction	4	C	• Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts. • Audition is required after term 4 to continue into MUP 337: Collaborative Piano Studio. • Course offered in spring semester only: MTC 223.
MTC 223: Music Theory: 20th Century	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Complete MTC 221 by end of term 4.			
Term hours subtotal:	14		

Term 5 62 - 74 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 495: Performance	0	Y	• Courses offered in fall semester only: MHL 341, MUP 210.
MHL 341: Music History I (HU)	3	C	
MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting	1	C	
MUP 311: Studio Instruction	2	C	
MUP 337: Studio Instruction: Collaborative Piano	2	C	
MUP 388: Collaborative Piano	1	C	
MHL OR MTC OR MUP OR MUE Upper Division Elective	1	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Complete MTC 222 by end of term 5.			
Term hours subtotal:	13		

Term 6 75 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ MUP 495: Performance	0	Y
MHL 342: Music History II (HU)	3	C
MTC 428: Advanced form and Analysis	3	C
MUP 311: Studio Instruction	2	C
MUP 337: Studio Instruction: Collaborative Piano	2	C
MUP 388: Collaborative Piano	1	C
MUP 451: Piano Chamber Music	2	C
Literacy and Critical Inquiry (L)	3	
Complete MTC 223 by end of term 6.		
Complete MUP 209 OR MUP 210 by end of term 6.		
Term hours subtotal:	16	

- Courses offered in spring semester only: MHL 342, MTC 428 (odd numbered spring semesters only).

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 496: Performance	0	Y	
MHL 440: Music Since 1900 (L or HU) OR Upper Division MHL course (L)	3	C	
MUP 311: Studio Instruction	2	C	
MUP 337: Studio Instruction: Collaborative Piano	2	C	
MUP 388: Collaborative Piano	1	C	
MUP 453: Song Literature	2	C	
MHL OR MTC OR MUP OR MUE Upper Division Elective	3	C	
MHL OR MTC OR MUP Elective	3	C	
Term hours subtotal:	16		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 496: Performance	0	Y	
MUP 311: Studio Instruction	2	C	
MUP 337: Studio Instruction: Collaborative Piano	2	C	
MUP 388: Collaborative Piano	1	C	
MUP 454: Song Literature	2	C	
MUP 487: Collaborative Piano	1	C	
MHL OR MTC OR MUP OR MUE Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	14		

MUP 4** Ensembles Course List

MUP 385: Percussion Ensemble

MUP 443: Choral Ensembles

MUP 450: Choral Union

MUP 455: Men's Chorus

MUP 457: Women's Chorus

MUP 479: Chamber Music Ensembles

MUP 486: Jazz Band

MUP 489: Ethnomusicology Ensembles

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Performance (Guitar), BMUS

Herberger Institute for Design and the Arts

Tempe campus
FAMUSPGBM

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.				• An SAT, ACT, Accuplacer, or TOEFL score determine placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics. MAT 117, MAT 119, MAT 142 or higher will fulfill requirement. • MUP 101: ASU School of Music Experience - First Year Seminar required of all freshman music majors. • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. • Completion of Piano Diagnostic Exam determines placement into Class Piano courses. • Courses offered fall semester only: MTC 125, MUP 101, MUP 131.
 MUP 101: The ASU School of Music Experience		1	C	
 MUP 127: Studio Instruction		4	C	
 MUP 479: Guitar Ensemble		1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
MTC 125: Basic Music Theory		3	C	
MUP 131: Class Piano		1	C	
Mathematics (MA)		3		
Term hours subtotal:		16		
Term 2 17 - 31 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction		4	C	• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. • Courses offered in spring semester only: MTC 221, MUP 132.
 MUP 479: Guitar Ensemble		1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
MHL 140: Music as Culture (HU & G)		3	C	
MTC 221: Music Theory: 18th Century		3	C	
MUP 132: Class Piano		1	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		15		

Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	• Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. • Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by end of term 3 will negatively impact ability to complete degree in four years. • Courses offered in fall semester only: MTC 222, MUP 231.
 MUP 479: Guitar Ensemble	1	C	
MHL 201: Media Literacy for Musicians (CS) OR Computer/Statistics/Quantitative Applications (CS)	3	C	
MTC 222: Music Theory: 19th Century	3	C	
MUP 231: Class Piano	1	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete Mathematics (MA) requirement.			
 Complete MTC 125.			
Complete MUP 131.			
Complete First-Year Composition requirement.			
Term hours subtotal:	15		

Term 4 47 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	• Complete 12 hours of upper division coursework by end of term 5. • Applicability of transfer credit for ensemble requirements and studio instruction is determined based on successful completion of audition and review of transcripts. • Courses offered in spring semester only: MTC 223, MUP 232. • For Music Elective options, please refer to Recommended Music Electives list.
 MUP 479: Guitar Ensemble	1	C	
MTC 223: Music Theory: 20th Century	3	C	
MUP 232: Class Piano	1	C	
MHL OR MTC OR MUP OR MUE Elective	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Complete MTC 221 AND MUP 132.			
Term hours subtotal:	15		

Term 5 62 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MHL 341: Music History I (HU)	3	C	• One semester of counterpoint is required. Choose from MTC 320 (modal - fall) or 321 (tonal - spring). Complete by end of term 6. • Courses offered in fall semester only: MHL 341, MUP 210, MUP 320.
 MUP 327: Studio Instruction	4	C	
 MUP 479: Guitar Ensemble	1	C	
MTC 320: Modal Counterpoint OR MTC 321: Tonal Counterpoint	2	C	
MUP 210: Beginning Instrumental Conducting OR MUP 209: Beginning Choral Conducting	1	C	
Natural Science - Quantitative (SQ)	4		
 Complete MTC 222 AND MUP 231.			
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ MHL 342: Music History II (HU)	3	C
★ MUP 327: Studio Instruction	4	C
★ MUP 479: Guitar Ensemble	1	C
★ MUP 495: Performance	0	Y
Literacy and Critical Inquiry (L)	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
★ Complete MTC 223 AND MUP 232.		
★ Complete MTC 320 OR MTC 321.		
Term hours subtotal:	15	

- Course offered in spring semester only: MHL 342.

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	• For Music Elective options, please refer to Recommended Music Electives list.
★ MUP 479: Guitar Ensemble	1	C	
MHL 439: Topics in 19th-Century Music (L & H) OR MHL 440: Music Since 1900 (L or HU) OR Upper Division MHL course (L)	3	C	
MUP 481: Performance Pedagogy and Materials	2	C	
Complete 2 courses: MHL OR MTC OR MUP OR MUE Upper Division Elective	6	C	
Term hours subtotal:	16		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	• For Music Elective options, please refer to Recommended Music Electives list.
★ MUP 479: Guitar Ensemble	1	C	
★ MUP 496: Performance	0	Y	
MUP 451: Repertoire	2	C	
MHL OR MTC OR MUP OR MUE Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	13		

Recommended Music Electives

MHL 201: Media Literacy for Musicians (CS)

MUP 340: Instrumental Conducting

MHL 440: Music Since 1900 (L or HU)

MUP 451: Repertoire

MHL 439: Topics in 19th-Century Music (L & H)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Performance (Jazz), BMUS

Herberger Institute for Design and the Arts

Tempe campus
FAMUSPJB

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.				• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill this requirement. • MUP 101: ASU School of Music Experience - First Year Seminar required of all freshman music majors. • Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts. • Completion of Piano Diagnostic Exam determines placement into Class Piano courses. • Courses offered fall semester only: MTC 125, MUP 131, MUP 101.
 MUP 101: The ASU School of Music Experience		1	C	
 MUP 111: Studio Instruction		2	C	
 MUP 117: Applied Jazz Improvisation		1	C	
 MUP 479: Jazz Combo		1	C	
 MUP 479: Jazz Studio Classes		1	C	
MTC 125: Basic Music Theory		3	C	
MUP 131: Class Piano		1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Mathematics (MA)		3		
Term hours subtotal:		16		
Term 2 17 - 33 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 MUP 111: Studio Instruction		2	C	• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts. • Courses offered in spring semester only: MTC 221, MUP 132.
 MUP 117: Applied Jazz Improvisation		1	C	
 MUP 479: Jazz Combo		1	C	
 MUP 479: Jazz Studio Classes		1	C	
MHL 140: Music as Culture (HU & G)		3	C	
MTC 221: Music Theory: 18th Century		3	C	
MTC 440: Jazz Theory and Ear Training		2	C	
MUP 132: Class Piano		1	C	

ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C
🚩 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
Term hours subtotal:	17	

Term 3 34 - 47 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 MUP 111: Studio Instruction	2	C	• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts. • Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by term 3 will negatively impact ability to complete degree in four years. • Courses offered in fall semester only: MTC 222, MUP 235.
🚩 MUP 217: Applied Jazz Improvisation	2	C	
🚩 MUP 479: Jazz Combo	1	C	
🚩 MUP 479: Jazz Studio Classes	1	C	
MTC 222: Music Theory: 19th Century	3	C	
MUP 235: Jazz Piano	1	C	
Natural Science - Quantitative (SQ)	4		
🚩 Complete Mathematics (MA) requirement.			
🚩 Complete MTC 125 AND MUP 131.			
Complete First-Year Composition requirement.			
Term hours subtotal:	14		

Term 4 48 - 64 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 MUP 111: Studio Instruction	2	C	• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts. • Courses offered in spring semester only: MTC 223, MUP 236.
🚩 MUP 217: Applied Jazz Improvisation	2	C	
🚩 MUP 479: Jazz Combo	1	C	
🚩 MUP 479: Jazz Studio Classes	1	C	
MTC 223: Music Theory: 20th Century	3	C	
MUP 236: Jazz Piano	1	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
🚩 Complete MTC 221 AND MUP 132.			
Term hours subtotal:	17		

Term 5 65 - 80 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 341: Music History I (HU)	3	C	• Courses offered in fall semester only: MHL 341, MTC 315.
★ MUP 311: Studio Instruction	2	C	
★ MUP 317: Applied Jazz Improvisation	2	C	
MTC 315: Modern Arranging I	2	C	
MUP 479: Jazz Combo	1	C	
MHL OR MTC OR MUP OR MUE Elective	3	C	

Computer/Statistics/Quantitative Applications (CS) OR MHL 201: Media Literacy for Musicians (CS)	3	C
★ Complete MTC 222 AND MTC 223 AND MTC 236 AND MUP 235.		
Term hours subtotal:	16	

Term 6 81 - 95 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 342: Music History II (HU)	3	C	• Courses offered in spring semester only: MHL 342, MTC 316, MUP 319.
★ MUP 311: Studio Instruction	2	C	
★ MUP 317: Applied Jazz Improvisation	2	C	
★ MUP 495: Performance	0	Y	
MUP 319: Advanced Audio Engineering in the Arts	2	C	
MUP 479: Jazz Combo	1	C	
MTC 316: Modern Arranging II	2	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 7 96 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	
MHL 439: Topics in 19th-Century Music (L & H) OR MHL 440: Music Since 1900 (L or HU) OR Upper Division MHL course (L)	3	C	
MUP 486: Jazz Band	1	C	
MHL OR MTC OR MUP OR MUE Elective	3	C	
Elective	3		
Term hours subtotal:	12		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	• Course offered in spring semester only: MTC 441.
★ MUP 495: Performance	0	Y	
MTC 441: Jazz Composition	2	C	
MUP 486: Jazz Band	1	C	
MHL OR MTC OR MUP OR MUE Upper Division Elective	2	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	13		

Total Hours: 120
Upper Division Hours: 45 minimum

General University Requirements Legend
 General Studies Core Requirements:

General Studies Awareness Requirements:
 • Cultural Diversity in the U.S. (C)

Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Performance (Keyboard), BMUS**

Herberger Institute for Design and the Arts

Tempe campus
FAMUSPKBM

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.			• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. MAT 117, MAT 119, MAT 142, or higher will fulfill this requirement. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. Freshman music majors take MUP 101: ASU School of Music Experience to satisfy the First Year Seminar requirement. • For MUP 4** Ensemble course options, choose from a variety of ensemble experiences including at least one semester of MUP 479: Piano/Strings/Woodwind/Brass Ensemble and one semester of MUP 460: The Visiting Quartet Residency Program. • Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts. • Courses offered in fall semester only: MUP 101, MTC 125.
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 127: Studio Instruction	4	C	
 MUP 4** Ensemble	1	C	
MTC 125: Basic Music Theory	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Term hours subtotal:	15		

Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts. • For MUP 4** Ensemble course options, choose from a variety of ensemble
 MUP 4** Ensemble	1	C	
MHL 140: Music as Culture (HU & G)	3	C	
MTC 221: Music Theory: 18th Century	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3
❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).	
Term hours subtotal:	17

experiences including at least one semester of MUP 479: Piano/Strings/Woodwind/Brass Ensemble and one semester of MUP 460: The Visiting Quartet Residency Program.

- Course offered in spring semester only: MTC 221.

Term 3 33 - 47 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MUP 127: Studio Instruction	4	C	• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts. • For MUP 4** Ensemble course options, choose from a variety of ensemble experiences including at least one semester of MUP 479: Piano/Strings/Woodwind/Brass Ensemble and one semester of MUP 460: The Visiting Quartet Residency Program • Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by the end of term 3 will negatively impact ability to complete degree in four years. • Courses offered in fall semester only: MTC 222.
❗ MUP 4** Ensemble	1	C	
MTC 222: Music Theory: 19th Century	3	C	
Computer/Statistics/Quantitative Applications (CS) OR MHL 201: Media Literacy for Musicians (CS)	3	C	
Natural Science - Quantitative (SQ)	4		
❗ Complete Mathematics (MA) requirement.			
❗ Complete MTC 125.			
Complete First-Year Composition requirement.			
Term hours subtotal:	15		

Term 4 48 - 62 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MUP 127: Studio Instruction	4	C	• Applicability of transfer credit for ensembles and studio instruction is determined based on successful completion of audition and review of transcripts. • For MUP 4** Ensemble course options, choose from a variety of ensemble experiences including at least one semester of MUP 479: Piano/Strings/Woodwind/Brass Ensemble and one semester of MUP 460: The Visiting Quartet Residency Program. • Course offered in spring semester only: MTC 223.
❗ MUP 4** Ensemble	1	C	
MTC 223: Music Theory: 20th Century	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
❗ Complete MTC 221.			
Term hours subtotal:	15		

Term 5 63 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	• For MUP 4** Ensemble course options, choose from a variety of ensemble
★ MHL 341: Music History I (HU)	3	C	

MTC 425: Studies in 20th-Century Theory	3	C
MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting	1	C
MUP 451: Piano Lit I	2	C
MUP 479: Piano Ensemble	1	C
MUP 487: Collaborative Piano	1	C
★ Complete MTC 222.		
Term hours subtotal:	15	

experiences including at least one semester of MUP 479: Piano/Strings/Woodwind/Brass Ensemble and one semester of MUP 460: The Visiting Quartet Residency Program.

- Courses offered in fall semester only: MHL 341, MUP 210, MUP 451 Piano Lit I, MTC 425 (odd numbered fall semesters only) and MUP 487.

Term 6 78 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 342: Music History II (HU)	3	C	• For MUP 4** Ensemble course options, choose from a variety of ensemble experiences including at least one semester of MUP 479: Piano/Strings/Woodwind/Brass Ensemble and one semester of MUP 460: The Visiting Quartet Residency Program . • Courses offered in spring semester only: MHL 342, MUP 451 Piano Lit II, MUP 440 (odd numbered spring semesters only).
★ MUP 327: Studio Instruction	4	C	
★ MUP 495: Performance	0	Y	
MUP 121: Organ OR MUP 121: Harpsichord	1	C	
MUP 440: Keyboard Harmony	1	C	
MUP 451: Piano Lit II	2	C	
MUP 479: Piano Ensemble	1	C	
MHL OR MTC OR MUP OR MUE Elective	3	C	
★ Complete MTC 223.			
★ Complete MUP 209 OR MUP 210.			
Term hours subtotal:	15		

Term 7 93 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	• For MUP 4** Ensemble course options, choose from a variety of ensemble experiences including at least one semester of MUP 479: Piano/Strings/Woodwind/Brass Ensemble and one semester of MUP 460: The Visiting Quartet Residency Program. • Courses offered in fall semester only: MHL 440, MTC 425, MUP 487.
MHL 440: Music Since 1900 (L or HU)	3	C	
MUP 487: Collaborative Piano	1	C	
MHL OR MTC OR MUP OR MUE Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	14		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	• MUP 451 recommended for upper division music elective. • For MUP 4** Ensemble course options, choose from a variety of ensemble experiences including at least one semester of MUP 479: Piano/Strings/Woodwind/Brass
★ MUP 496: Performance	0	Y	
MUP 481: Performance Pedagogy and Materials	2	C	
MHL Upper Division Elective	3		
MHL OR MTC OR MUP OR MUE Upper Division Elective	3	C	

Term hours subtotal: 14

Ensemble and one semester of
MUP 460: The Visiting
Quartet Residency Program.

MUP 4** Ensembles Course List

MUP 385: Percussion Ensemble

MUP 443: Choral Ensembles

MUP 450: Choral Union

MUP 455: Men's Chorus

MUP 457: Women's Chorus

MUP 460: The Visiting Quartet Residency
ProgramMUP 479: Chamber Music Ensembles ,
Piano Ensemble ,
Piano/String/Woodwind/Brass

MUP 486: Jazz Band

MUP 489: Ethnomusicology Ensembles

Total Hours: 120**Upper Division Hours:** 45 minimum**Major GPA:** 2.00 minimum**Cumulative GPA:** 2.00 minimum**Total hrs at ASU:** 30 minimum**Hrs Resident Credit for****Academic Recognition:** 56 minimum**Total Community College Hrs:** 64
maximum**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Performance (Music Theatre), BMUS**

Herberger Institute for Design and the Arts

Tempe campus
FAMUSPMBM

Term 1 0 - 15 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.				• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill requirement. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. All freshman music majors take MUP 101 ASU School of Music Experience to satisfy the First Year Seminar requirement. • Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts. • Completion of Piano Diagnostic Exam determines placement into Class Piano courses. • Courses offered in fall semester only: MTC 125, MUP 131. • Music Theatre I - VIII must be taken in sequence in the semesters offered.
 MUP 101: The ASU School of Music Experience		1	C	
 MUP 111: Studio Instruction		2	C	
 MUP 170: Music Theatre I		2	C	
MTC 125: Basic Music Theory		3	C	
MUP 131: Class Piano		1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Mathematics (MA)		3		
Term hours subtotal:		15		

Term 2 16 - 32 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 MHL 140: Music as Culture (HU & G)		3	C	• Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts.
 MUP 111: Studio Instruction		2	C	
 MUP 172: Music Theatre II		2	C	
MTC 221: Music Theory: 18th Century		3	C	
MUP 132: Class Piano		1	C	

THF 101: Acting Introduction OR THP 102: Acting I: Fundamentals	3	C
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C
❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
Term hours subtotal:	17	

- Courses offered in spring semester only: MTC 221, MUP 132.

Term 3 33 - 47 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MUP 111: Studio Instruction	2	C	• DCE elective must be a movement class. For course recommendations, please consult with academic advisor. • Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts. • MUP 373: Music Theatre majors must complete six performances. Four of these must be at ASU and two of these must be leading roles. Of these six performances, two may be at Phoenix Theatre. • Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by end of term 3 will negatively impact ability to complete degree in four years. • Courses offered in fall semester only: MTC 222, MUP 231.
❗ MUP 270: Music Theatre III	2	C	
❗ MUP 373: Music Theatre: Performance	1	C	
❗ MUP 374: Technical Music Theatre	1	C	
❗ DCE Elective	2	C	
MTC 222: Music Theory: 19th Century	3	C	
MUP 231: Class Piano	1	C	
Literacy and Critical Inquiry (L)	3		
❗ Complete First-Year Composition requirement.			
❗ Complete Mathematics (MA) requirement.			
❗ Complete MTC 125 AND MUP 131.			
Term hours subtotal:	15		

Term 4 48 - 62 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MUP 111: Studio Instruction	2	C	• DCE elective must be a movement class. For course recommendations, please consult with academic advisor. • Applicability of transfer credit for studio instruction is determined based on successful completion of audition and review of transcripts. • MUP 373: Music Theatre majors must complete six performances. Four of these must be at ASU and two of these must be leading roles. Of these six performances, two may be at Phoenix Theatre.
❗ MUP 272: Music Theatre IV	2	C	
❗ MUP 373: Music Theatre: Performance	1	C	
❗ MUP 374: Problems in Production	1	C	
❗ DCE Elective	2	C	
MTC 223: Music Theory: 20th Century	3	C	
Natural Science - Quantitative (SQ)	4		
❗ Complete MTC 221 AND MUP 132.			
Term hours subtotal:	15		

- Course offered in spring semester only: MTC 223.

Term 5 63 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	• MUP 373: Music Theatre majors must complete six performances. Four of these must be at ASU and two of these must be leading roles. Of these six performances, two may be at Phoenix Theatre. • DCE elective must be a movement class. For course recommendations, please consult with academic advisor. • Course offered in fall semester only: MHL 341.
★ MUP 370: Music Theatre V	1	C	
MHL 341: Music History I (HU)	3	C	
MUP 209: Beginning Choral Conducting	1	C	
MUP 373: Music Theatre: Performance	1	C	
Computer/Statistics/Quantitative Applications (CS) OR MHL 201: Media Literacy for Musicians (CS)	3	C	
DCE Elective	2	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete MTC 222.			
Term hours subtotal:	17		

Term 6 80 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	• MUP 373: Music Theatre majors must complete six performances. Four of these must be at ASU and two of these must be leading roles. Of these six performances, two may be at Phoenix Theatre. • DCE elective must be a movement class. For course recommendations, please consult with academic advisor. • Courses offered in spring semester only: MHL 342, MUP 451: Broadway.
★ MUP 465: Music Theatre VI: Advanced Acting	3	C	
MHL 342: Music History II (HU)	3	C	
MUP 373: Music Theatre: Performance	1	C	
MUP 451: Broadway	2	C	
DCE Elective	1-2	C	
★ Complete MTC 223 AND MUP 209.			
Term hours subtotal:	12-13		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	• MUP 373: Music Theatre majors must complete six performances. Four of these must be at ASU and two of these must be leading roles. Of these six performances, two may be at Phoenix Theatre.
★ MUP 470: Music Theatre VII: Broadway Dance	3	C	
MUP 373: Music Theatre: Performance	1	C	
MHL OR MTC OR MUP OR MUE Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 311: Studio Instruction	2	C	

★ MUP 472: Music Theatre VIII	1	C
MUP 373: Music Theatre: Performance	1	C
Complete 3 courses: MHL OR MTC OR MUP OR MUE Upper Division Elective	7	C
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3	
Term hours subtotal:	14	

- MUP 373: Music Theatre majors must complete six performances. Four of these must be at ASU and two of these must be leading roles. Of these six performances, two may be at Phoenix Theatre.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Performance (Orchestral Instrument), BMUS**

Herberger Institute for Design and the Arts

Tempe campus
FAMUSPOBM

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.			
 MUP 101: The ASU School of Music Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. MAT 117, MAT 119, MAT 142, or higher will fulfill requirement. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. All freshmen take MUP 101: ASU School of Music Experience to satisfy the First Year Seminar requirement. • Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts. • Completion of Piano Diagnostic Exam determines placement into Class Piano courses. • Courses offered in fall semester only: MUP 101, MUP 131, MTC 125.
 MUP 127: Studio Instruction	4	C	
 MUP 442: Instrumental Ensembles	1	C	
MTC 125: Basic Music Theory	3	C	
MUP 131: Class Piano	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts. • Courses offered in spring semester only: MTC 221, MUP 132.
 MUP 442: Instrumental Ensembles	1	C	
MHL 140: Music as Culture (HU & G)	3		
MTC 221: Music Theory: 18th Century	3	C	
MUP 132: Class Piano	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	

❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Term hours subtotal: 15

Term 3 32 - 47 Credit Hours **Critical course signified by** ❗

❗ MUP 127: Studio Instruction

4

C

❗ MUP 442: Instrumental Ensembles

1

C

MTC 222: Music Theory: 19th Century

3

C

MUP 231: Class Piano

1

C

Natural Science - Quantitative (SQ)

4

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)

3

❗ Complete Mathematics (MA) requirement.

❗ Complete MTC 125.

❗ Complete MUP 131.

Term hours subtotal: 16

- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
- Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by term 3 will negatively impact ability to complete degree in four years.
- Courses offered in fall semester only: MTC 222, MUP 231.

Term 4 48 - 63 Credit Hours **Critical course signified by** ❗

❗ MUP 127: Studio Instruction

4

C

❗ MUP 442: Instrumental Ensembles

1

C

MTC 223: Music Theory: 20th Century

3

C

MUP 232: Class Piano

1

C

Natural Science - Quantitative (SQ) OR
Natural Science - General (SG)

4

Social-Behavioral Sciences (SB) AND Historical Awareness (H)

3

❗ Complete MTC 221 AND MUP 132.

Term hours subtotal: 16

- Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
- Courses offered in spring semester only: MTC 223, MUP 232.

Term 5 64 - 79 Credit Hours **Necessary course signified by** ★

★ MHL 341: Music History I (HU)

3

★ MUP 327: Studio Instruction

4

C

MUP 210: Beginning Instrumental Conducting

1

C

MUP 442: Instrumental Ensembles

1

C

MUP 479: Chamber Music Ensembles

1

C

MHL OR MTC OR MUP OR MUE Elective

3

C

Computer/Statistics/Quantitative Applications (CS) OR
MHL 201: Media Literacy for Musicians (CS)

3

C

★ Complete MTC 222 AND MUP 231.

Term hours subtotal: 16

- Courses offered in fall semester only: MHL 341, MUP 210.

Term 6 80 - 93 Credit Hours **Necessary course signified by** ★

Hours

Minimum
Grade

Notes

★ MHL 342: Music History II (HU)	3	
★ MUP 327: Studio Instruction	4	C
★ MUP 495: Performance	0	Y
MUP 340: Instrumental Conducting	2	C
MUP 442: Instrumental Ensembles	1	C
MUP 479: Chamber Music Ensembles	1	C
Literacy and Critical Inquiry (L)	3	
★ Complete MTC 223 AND MUP 232.		
Term hours subtotal:	14	

- Course offered in spring semester only: MHL 342, MUP 340.

Term 7 94 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	• MUP 451 and MUP 481 are taught in different semesters depending on the instrument; please consult with studio instructor for the schedule.
MHL 439: Topics in 19th-Century Music (L & H) OR MHL 440: Music Since 1900 (L or HU) OR Upper Division MHL course (L)	3	C	
MUP 442: Instrumental Ensembles	1	C	
MUP 451: Repertoire	2	C	
MUP 479: Chamber Music Ensembles	1	C	
Elective	3		
Term hours subtotal:	14		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	• MUP 451 and MUP 481 are taught in different semesters depending on the instrument; please consult with studio instructor for the schedule.
★ MUP 496: Performance	0	Y	
MUP 442: Instrumental Ensembles	1	C	
MUP 479: Chamber Music Ensembles	1	C	
MUP 481: Performance Pedagogy and Materials	2	C	
MHL OR MTC OR MUE OR MUP Upper Division Elective	3	C	
Elective	2		
Term hours subtotal:	13		

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Performance (Voice), BMUS**

Herberger Institute for Design and the Arts

Tempe campus
FAMUSPVBM

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.			• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill this requirement. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. All freshman students take MUP 101: ASU School of Music Experience to satisfy the First Year Seminar requirement. • Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts. • Completion of Piano Diagnostic Exam determines placement into Class Piano course. • Courses offered in fall semester only: MUP 101, MUP 131, MTC 125.
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 127: Studio Instruction	4	C	
 MUP 443: Choral Ensembles	1	C	
MHL 140: Music as Culture (HU & G)	3	C	
MTC 125: Basic Music Theory	3	C	
MUP 131: Class Piano	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	16		

Term 2 17 - 34 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MUP 127: Studio Instruction	4	C	• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts. • Courses offered in spring semester only: MTC 221, MUP 132.
 MUP 443: Choral Ensembles	1	C	
MTC 221: Music Theory: 18th Century	3	C	
MUP 132: Class Piano	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	

Mathematics (MA)	3
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3
❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).	
Term hours subtotal:	18

Term 3 35 - 47 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ MUP 127: Studio Instruction	4	C	• All voice performance students must complete (or place out of) French 101, German 101 and Italian 101. • Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts. • MUP 250 Language emphasis differs each semester. Please consult with studio instructor for schedule. • Due to sequence of Music Theory courses, failure to successfully complete MTC 125 by the end of term 3 will negatively impact ability to complete degree in four years. • Courses offered in fall semester only: MTC 222, MUP 231.
❖ MUP 443: Choral Ensembles	1	C	
❖ FRE 101: Elementary French (G) OR GER 101: Elementary German OR ITA 101: Elementary Italian I (G)	0-4	C	
MTC 222: Music Theory: 19th Century	3	C	
MUP 231: Class Piano	1	C	
MUP 250: Diction for Singers	1	C	
Computer/Statistics/Quantitative Applications (CS) OR MHL 201: Media Literacy for Musicians (CS)	3	C	
❖ Complete Mathematics (MA) requirement.			
❖ Complete MTC 125 AND MUP 131.			
Complete First-Year Composition requirement.			
Term hours subtotal:	13-17		

Term 4 48 - 61 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ FRE 101: Elementary French (G) OR GER 101: Elementary German OR ITA 101: Elementary Italian I (G)	0-4	C	• All voice performance students must complete (or place out of) French 101, German 101 and Italian 101. • Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts. • Language emphasis for MUP 250: Diction for Singers differs each semester. Please consult with studio instructor for schedule. • Courses offered in spring semester only: MTC 223, MUP 232.
❖ MUP 127: Studio Instruction	4	C	
❖ MUP 443: Choral Ensembles	1	C	
MTC 223: Music Theory: 20th Century	3	C	
MUP 232: Class Piano	1	C	
MUP 250: Diction for Singers	1	C	
Natural Science - Quantitative (SQ)	4		
❖ Complete MTC 221 AND MUP 132.			
Term hours subtotal:	14-18		

Minimum

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ MHL 341: Music History I (HU)	3	C	• All voice performance students must complete (or place out of) French 101, German 101 and Italian 101. • Complete second Language 101 by the end of term 6. • Language emphasis for MUP 250: Diction for Singers differs each semester. Please consult with studio instructor for schedule. • Must complete at least 4 hours from the following courses: MUP 451, MUP 453 or MUP 454. Please consult with your studio instructor and advisor regarding course offerings and planning. • Course offered in fall semester only: MHL 341, MUP 481 (even numbered fall semesters only), MUP 453 (odd numbered fall semesters only).
★ MUP 327: Studio Instruction	4	C	
MUP 250: Diction for Singers	1	C	
MUP 443: Choral Ensembles	1	C	
MUP 453: Song Literature OR MUP 454: Song Literature	2	C	
FRE 101: Elementary French (G) OR GER 101: Elementary German OR ITA 101: Elementary Italian I (G)	4	C	
★ Complete MTC 222 AND MUP 231.			
Term hours subtotal:	15		

Term 6 77 - 89 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 342: Music History II (HU)	3	C	• Must complete at least 4 hours from the following courses: MUP 451, MUP 453 or MUP 454. Please consult with your studio instructor and advisor regarding course offerings and planning. • Course offered in spring semester only: MHL 342, MUP 451 (even numbered spring semesters only).
★ MUP 327: Studio Instruction	4	C	
★ MUP 495: Performance	0	Y	
MUP 209: Beginning Choral Conducting	1	C	
MUP 443: Choral Ensembles	1	C	
MUP 451: Opera	2	C	
MHL OR MTC OR MUP Elective	2	C	
★ Complete second Language 101.			
Complete MTC 223 AND MUP 232.			
Term hours subtotal:	13		

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MUP 327: Studio Instruction	4	C	• Courses offered in fall semester only: MUP 481 (even numbered fall semesters only), MUP 454 (even numbered fall semesters only), MUP 453 (odd numbered fall semesters only).
MUP 443: Choral Ensembles	1	C	
MUP 481: Voice	2	C	
MHL OR MTC OR MUP Upper Division Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		

★ Complete MUP 481.

Complete MUP 451 AND MUP 453 OR MUP 454.

Term hours subtotal: 16

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	MUP 327: Studio Instruction		4	C	• Courses offered spring semester only: MUP 451 (even numbered spring semesters only).
★	MUP 496: Performance		0	Y	
	MHL 439: Topics in 19th-Century Music (L & H) OR MHL 440: Music Since 1900 (L or HU) OR Upper Division MHL course (L)		3	C	
	MUP 443: Choral Ensembles		1	C	
	MHL OR MTC OR MUP Upper Division Elective		3	C	
	Natural Science - Quantitative (SQ) OR Natural Science - General (SG)		4		
Term hours subtotal:			15		

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Performance and Movement - General Track, BA

Herberger Institute for Design and the Arts
HIPERMVBA

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 THF 125: Orientation to Theatre and Film	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. THF 125 fulfills this requirement.
DCE 136: Introduction to Movement Language Sources	2	C	
DCE 160: First-Year Creative Practices I	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THF 101: Acting Introduction OR THP 102: Acting I: Fundamentals	3	B-	
Mathematics (MA)	3		
Term hours subtotal:	15		

Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 THF 126: School of Theatre and Film: First-Year Experience	2	C	• Students are expected to reach the advanced level of at least one of the four Personal Movement Practices (Postmodern Contemporary, Contemporary Ballet, Urban Movement or Movement Language Sources/Somatic Practices).
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
THF 160: Introduction to Storytelling	3	C	
THF 215: Design and Composition for Theatre and Film	3	C	
Personal Movement Practices	2-3	C	
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16-17		

Term 3 32 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DCE 201: Dance, Culture, and Global Contexts. (HU & G)	3	C	• Students are expected to reach the advanced level of at least one of the four Personal Movement Practices (Postmodern Contemporary, Contemporary Ballet, Urban Movement or Movement Language Sources/Somatic Practices).
DCE 240: Media for Dance (CS) OR Computer/Statistics/Quantitative Applications (CS)	3		
THF 220: Principles of Dramatic Analysis (L or HU) or DCE 301: Meaning in Motion (L or HU)	3	C	
Natural Science - Quantitative (SQ)	4		
Personal Movement Practices	2-3	C	

Suggested Electives	2
 Complete Mathematics (MA) requirement.	
Term hours subtotal:	17-18

Sources/Somatic Practices).

- Please see course list for suggested electives.

Term 4 49 - 64 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 THP 272: Acting: Introduction to Movement OR THP 277: Acting: Introduction to Voice	3	C	• Students are expected to reach the advanced level of at least one of the four Personal Movement Practices (Postmodern Contemporary, Contemporary Ballet, Urban Movement or Movement Language Sources/Somatic Practices). • Please see course list for suggested electives.
DCE 262: Rhythmic Theory for Dance I	2	C	
Personal Movement Practices	2-3	C	
Suggested Electives	5-6		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16-18		

Term 5 65 - 79 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 DCE 300: Moving Histories (HU) OR THE 320: History of the Theatre I (HU & H)	3	C	• Students are expected to reach the advanced level of at least one of the four Personal Movement Practices (Postmodern Contemporary, Contemporary Ballet, Urban Movement or Movement Language Sources/Somatic Practices). • Students who complete THE 320 may take an elective in place of the Historical Awareness area requirement. • Please see course list for suggested electives.
DCE 303: The Body Condition(ed) (SB)	3	C	
THP 352: Foundations of Arts Entrepreneurship	3	C	
THP 372: Acting: Advanced Movement or THP 377: Acting: Voice and Speech or DCE 333: Urban Movement Practices III or DCE 334: Postmodern Contemporary III or DCE 335: Contemporary Ballet III or DCE 336: Movement Language Sources	3	C	
Personal Movement Practices	0-2	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	15-17		

Term 6 80 - 95 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 THF 397: Professional Development Seminar	1	C	• Please see course list for suggested electives.
DCE 404: Dance and Ethics or DCE 402: Ethnography of Dance Practices ((L or HU) & G)	3	C	
THP 311: Creative Drama with Youth (L) or DCE 350: Dance in the Classroom: Learning Through Movement (HU)	3	C	
THP 385: Acting: Classical and Poetic Drama or THP 386: Acting: the Meisner Approach or DCE 333: Urban Movement Practices III or DCE 334: Postmodern Contemporary III or DCE 335: Contemporary Ballet III or DCE 336: Movement Language Sources	3	C	
THP 482: Theatre for Social Change (C)	3	C	
Suggested Electives	3-4		
Term hours subtotal:	16-17		

Term 7 96 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ DCE 438: Dance Theatre Performance/Production	2-6	C	• Please see course list for suggested electives.
DCE 405: Rhetorical Moves (L or HU)	3	C	
THP 420: Acting: Solo and Collaborative Performance	3	C	
Upper Division Suggested Electives	5-6		
Term hours subtotal:	13-18		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THF 497: Senior Project	2-6	C	• Please see course list for suggested electives.
THP 483: Acting: Viewpoints and Composition	3	C	
Upper Division Suggested Electives	2-4		
Suggested Electives	5		
Term hours subtotal:	12-18		

Suggested Electives
DCE 111: Raqs Sharqi I
DCE 112: Capoeira I
DCE 113: Dances of Africa I
DCE 114: Dances of India I
DCE 126: Country-Western
DCE 240: Media for Dance (CS)
IAP 331: Performance, Acting, and the Individual
IAP 334: Conceptual Development in the Arts
IAP 375: Contemporary Performance: Theories and Practice
MUP 170: Music Theatre I
MUP 172: Music Theatre II
MUP 270: Music Theatre III
MUP 272: Music Theatre IV
THE 421: Shakespeare: Stage and Film (L or HU)
THE 422: Latina and Latino Theatre and Film (HU & C)
THE 423: African American Theatre (C)
THE 426: Pre-Columbian Theatre of the Americas
THE 440: Experimental Theatre and Performance (L)

THP 218: Directing I: Introduction to Directing

THP 260: Introduction to Playwriting

THP 318: Directing II: Intermediate Directing

THP 411: Methods of Teaching Drama

Personal Movement Practices

DCE 133: Urban Movement Practices I

DCE 135: Contemporary Ballet I

DCE 134: Postmodern Contemporary I

DCE 235: Contemporary Ballet II

DCE 234: Postmodern Contemporary II

DCE 233: Urban Movement Practices II

DCE 236: Movement Language Sources

DCE 333: Urban Movement Practices III

DCE 335: Contemporary Ballet III

DCE 334: Postmodern Contemporary III

DCE 336: Movement Language Sources

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Performance and Movement - Social and Partnership Dance, BA

Herberger Institute for Design and the Arts

HIPERMVBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 THF 125: Orientation to Theatre and Film	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. THF 125 fulfills this requirement.
THF 101: Acting Introduction or THP 102: Acting I: Fundamentals	3	B-	
DCE 136: Introduction to Movement Language Sources	2	C	
DCE 124: Latin/Swing/Ballroom I or DCE 125: Latin/Salsa I	2	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Elective	2		
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 THF 126: School of Theatre and Film: First-Year Experience	2	C	
THF 160: Introduction to Storytelling	3	C	
DCE 135: Contemporary Ballet I or DCE 134: Postmodern Contemporary I or DCE 110: Argentine Tango I	2-3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16-17		

Term 3 33 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 DCE 236: Movement Language Sources	3	C	
THF 220: Principles of Dramatic Analysis (L or HU) OR DCE 301: Meaning in Motion (L or HU)	3	C	
DCE 224: Latin/Swing/Ballroom II or DCE 225: Latin/Salsa II	2	C	
DCE 201: Dance, Culture, and Global Contexts. (HU & G)	3	C	

Natural Science - Quantitative (SQ)	4
 Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Term hours subtotal:	15

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 THP 272: Acting: Introduction to Movement OR THP 277: Acting: Introduction to Voice	3	C	
DCE 262: Rhythmic Theory for Dance I	2	C	
DCE 235: Contemporary Ballet II or DCE 234: Postmodern Contemporary II or DCE 210: Argentine Tango II	2-3	C	
Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB)	3		
Elective	2		
Term hours subtotal:	16-17		

Term 5 64 - 80 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 DCE 300: Moving Histories (HU) OR THE 320: History of the Theatre I (HU & H)	3	C	Students who complete THE 320 may take an elective in place of the Social and Behavioral Sciences and Historical Awareness requirement.
DCE 303: The Body Condition(ed) (SB)	3	C	
THP 352: Foundations of Arts Entrepreneurship	3	C	
DCE 336: Movement Language Sources	3	C	
DCE 324: Latin/Swing/Ballroom III	2	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	17		

Term 6 81 - 96 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 THF 397: Professional Development Seminar	1	C	Students who complete THP 311 may take an upper division elective in place of the Upper Division Literacy requirement.
THP 311: Creative Drama with Youth (L) OR DCE 350: Dance in the Classroom: Learning Through Movement (HU)	3	C	
THP 452: Arts Entrepreneurship Seminar	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 7 97 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 DCE 438: Dance Theatre Performance/Production	2-6	C	
HDA 420: Design and the Arts Business Administration	3	C	
THP 482: Theatre for Social Change (C)	3	C	
Upper Division Elective	4		
Term hours subtotal:	12-16		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THF 497: Senior Project	2-6	C	
Upper Division Arts Business Course	3		
Upper Division Arts Policy, Community or Socially Engaged Arts	3		
Complete 2 courses: Upper Division Elective	4-6		
Term hours subtotal:	12-18		

Arts Business Course

ARA 396: Professional Practices for Artists

ARA 460: Gallery Exhibitions

DSC 394: Design Entrepreneurship & Society

FMP 417: Business Ethics in Entertainment

FMP 494: Business of Media Industries

MUE 494: Collaborative Entrepreneurship in the Arts

MUP 319: Advanced Audio Engineering in the Arts

THP 351: Arts Management

THP 450: Theatre Organization and Management

Arts Policy, Community or Socially Engaged Arts

ARS 494: Arts & Public Policy

ARS 498: Art and Politics

HDA 310: Socially Engaged Practice

MHL 494: Music and Movement in Urban Culture

ART 442: Art and Community

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Theatre, BA

Herberger Institute for Design and the Arts

Tempe campus

FATHEBA

Term 1 0 - 14 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
Milestone: Students who did not complete the Undergraduate Theatre Interview prior to enrollment must complete this requirement by the end of this term.				
 THF 125: Orientation to Theatre & Film		1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. THF 125: Orientation to Theatre & Film required of all freshman theatre and film majors only. • Students may choose to participate in the BA Theatre interviews in the spring prior to starting at ASU. Students who are not admitted to the BA Theatre prior to starting at ASU will participate in the interview process during their first year as part of their required course study in either THF 125 or THF 126. • Student must complete THP 102 for degree. Student may take THP 213 or 214 for degree.
 THP 102: Acting I: Fundamentals OR THP 213: Introduction to Technical Theatre or THP 214: Introduction to Costuming		3-4	C	
THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film		3	C	
THP 201: Theatre Production Crew		1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Mathematics (MA)		3		
Maintain 2.50 GPA in Theatre and Film courses.				
Term hours subtotal:		14-15		

Term 2 15 - 31 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 THF 126: School of Theatre and Film: First-Year Experience		2	C	• THP 201 must be completed by end of term 3. • THF 160 must be completed by term 3. • Student must complete THP 102 for degree. Student may take THP 213 or 214 for degree.
 THP 102: Acting I: Fundamentals OR THP 213: Introduction to Technical Theatre or THP 214: Introduction to Costuming		3-4	C	
THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film		3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Computer/Statistics/Quantitative Applications (CS)		3		

Elective	3
❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).	
Maintain 2.50 GPA in Theatre and Film courses.	
Term hours subtotal:	17-18

Term 3 32 - 47 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ THF 220: Principles of Dramatic Analysis (L or HU)	3	C	• THF 215 must be completed by term 4.
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Complete 2 courses: Elective	6		
❗ Complete THF 160 course(s).			
❗ Complete THP 201 course(s).			
❗ Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	16		

Term 4 48 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ THP 218: Directing I: Introduction to Directing	3	C	
THP 301: Theatre Production	1	C	
FMP OR THE OR THP Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
❗ Complete THF 215 course.			
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THE 320: History of the Theatre I (HU & H)	3	C	
FMP OR THE OR THP Elective	3	C	
Complete 3 courses: Upper Division Elective	9		
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	15		

Term 6 77 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THE 321: History of the Theatre II (HU & H)	3	C	
THF 397: Professional Development Seminar	1	C	
Upper Division Dramatic Literature course	3	C	

FMP OR THE OR THP Upper Division Elective	3	C
Social-Behavioral Sciences (SB)	3	
Elective	3	
Maintain 2.50 GPA in Theatre and Film courses.		
Term hours subtotal:	16	

Term 7 93 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THE 440: Experimental Theatre and Performance (L)	3	C	
Complete 3 courses: FMP OR THE OR THP Upper Division Elective	9	C	
Upper Division Elective	3		
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THF 497: Senior Project OR THP 428: Theatre and the Future	1-6	C	Transfer students complete 1 additional hour of elective credit in term 8 to reach 120 hours because THF 125: Orientation to Theatre & Film (term 1) is not required for transfer students.
Complete 2 courses: FMP OR THE OR THP Upper Division Elective	6	C	
FMP OR THE OR THP Elective	3	C	
Elective	3		
Maintain 2.50 GPA in Theatre and Film courses.			
Term hours subtotal:	13-18		

Dramatic Literature

THE 421: Shakespeare: Stage and Film (L or HU)

THE 422: Latina and Latino Theatre and Film (HU & C)

THE 423: African American Theatre (C)

THE 426: Pre-Columbian Theatre of the Americas

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.50 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Theatre (Acting), BA

Herberger Institute for Design and the Arts

Tempe campus
FATHEABA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Milestone: Students who did not complete the Undergraduate Theatre Interview prior to enrollment must complete this requirement by the end of this term.			
 THF 125: Orientation to Theatre and Film	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • Students may choose to participate in the BA Theatre interviews in the spring prior to starting at ASU. Students who are not admitted to the BA Theatre prior to starting at ASU will participate in the interview process during their first year as part of their required course study in either THF 125 or THF 126. • THF 125: Orientation to Theatre & Film required of freshman theatre and film majors only. • THP 102, 201, and 213 or 214 must be completed by end of term 4.
 THP 102: Acting I: Fundamentals	3	B	
THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Computer/Statistics/Quantitative Applications (CS)	3		
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 THF 126: School of Theatre and Film: First-Year Experience	2	C	• The following four courses, which must be completed with a grade of B- or above, are taken as pre- or co-requisites for admission to the concentration: THP 272 Acting: Intro to Movement, THP 277 Acting: Intro to Voice, THP 202 Acting II: Intermediate Techniques, and THF 220 Principles of
 THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film	3	C	
 THP 202: Acting II: Intermediate Techniques OR THP 272: Acting: Introduction to Movement OR THP 277: Acting: Introduction to Voice	3	B-	
THP 213: Introduction to Technical Theatre OR THP 214: Introduction to Costuming	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	

❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Maintain 3.00 GPA in Theatre and Film courses.

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15

Dramatic Analysis(THF 220 is part of the BA Theatre core, but must be completed prior to applying to the concentration).

Term 3 32 - 45 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ THF 220: Principles of Dramatic Analysis (L or HU)	3	B-	• THP 201, and 213 or 214 must be completed by end of term 4. • Theatre (Acting) prospective students must complete THF 220 Principles of Dramatic Analysis, THP 272 Acting: Intro to Movement, THP 277 Acting: Intro to Voice, and THP 202 Acting II: Intermediate Techniques prior to applying for the Acting concentration.
❗ THP 202: Acting II: Intermediate Techniques OR THP 272: Acting: Introduction to Movement OR THP 277: Acting: Introduction to Voice	3	B-	
THP 201: Theatre Production Crew	1	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
❗ Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 4 46 - 62 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ THP 202: Acting II: Intermediate Techniques OR THP 272: Acting: Introduction to Movement OR THP 277: Acting: Introduction to Voice	3	B-	• Students interested in the Acting Concentration should apply in the 2nd semester of their sophomore year.
❗ THP 218: Directing I: Introduction to Directing	3	C	
❗ THP 301: Theatre Production	1	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
❗ Milestone: Apply for Acting Concentration during Term 4.			
❗ Complete THF 215 course.			
❗ Complete THP 201 AND THP 213 OR THP 214 course(s).			
Maintain 3.00 GPA in Theatre and Film courses.			
Minimum 2.50 GPA ASU Cumulative.			
Complete THP 102 course(s).			
Term hours subtotal:	17		

Term 5 63 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ THE 320: History of the Theatre I (HU & H)	3	C	• Terms 5 - 8 requirements are for students who successfully completed the application for admission to Acting concentration.
Upper Division Acting Elective with THP Prefix	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		

Maintain 3.00 GPA in Theatre and Film courses.
Minimum 2.50 GPA ASU Cumulative.
Term hours subtotal: 15

Term 678 - 93 Credit Hours	Necessary course signified by	Hours	Minimum Grade	Notes
★ THE 321: History of the Theatre II (HU & H)		3	C	
THF 397: Professional Development Seminar		1	C	
Complete 2 courses: Upper Division Acting Elective with THP Prefix		6	C	
Upper Division Dramatic Literature THE course		3	C	
Elective		3		
Maintain 3.00 GPA in Theatre and Film courses.				
Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:		16		

Term 794 - 108 Credit Hours	Necessary course signified by	Hours	Minimum Grade	Notes
★ THE 440: Experimental Theatre and Performance (L)		3	C	
Upper Division Acting Elective with THP Prefix		3	C	
Complete 3 courses: Upper Division Elective		9		
Maintain 3.00 GPA in Theatre and Film courses.				
Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:		15		

Term 8109 - 120 Credit Hours	Necessary course signified by	Hours	Minimum Grade	Notes
★ THF 497: Senior Project OR THP 428: Theatre and the Future		1-6	C	Transfer students complete 1 additional hour of elective credit in term 8 to reach 120 hours because THF 125: Orientation to Theatre & Film (term 1) is not required for transfer students.
Upper Division Acting Elective with THP Prefix		3	C	
Social-Behavioral Sciences (SB)		3		
Upper Division Elective		3		
Elective		2-3		
Maintain 3.00 GPA in Theatre and Film courses.				
Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:		12-18		

Dramatic Literature Course: Select 1 course; 3 credits.
THE 421: Shakespeare: Stage and Film (L or HU)
THE 422: Latina and Latino Theatre and Film (HU & C)
THE 423: African American Theatre (C)

THE 426: Pre-Columbian Theatre of the Americas

THP Acting Elective Courses: Select 5 courses; 15 credits.

THP 301: Acting Mainstage

THP 302: Acting III: Advanced Techniques

THP 307: Acting: Research and Performance

THP 372: Acting: Advanced Movement

THP 377: Acting: Voice and Speech

THP 385: Acting: Classical and Poetic Drama

THP 387: Acting: TV and Film

THP 420: Acting: Solo and Collaborative Performance

THP 483: Acting: Viewpoints and Composition

THP 489: Acting: Audition Techniques and Career Development

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Theatre (Design and Production), BA

Herberger Institute for Design and the Arts

Tempe campus
FADSNPRBA

Term 1	0 - 15 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
Milestone: Students who did not complete the Undergraduate Theatre Interview prior to enrollment must complete this requirement by the end of this term.					• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. THF 125: Orientation to Theatre and Film required of all freshman theatre and film majors only. • Students may choose to participate in the BA Theatre interviews in the spring prior to starting at ASU. Students who are not admitted to the BA Theatre prior to starting at ASU will participate in the interview process during their first year as part of their required course study in either THF 125 or THF 126.
 THF 125: Orientation to Theatre and Film			1	C	
 THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film			3	C	
 THP 213: Introduction to Technical Theatre OR THP 214: Introduction to Costuming			4	C	
THP 102: Acting I: Fundamentals OR THP 201: Theatre Production Crew			1-3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition			3	C	
Mathematics (MA)			3		
Maintain 3.00 GPA in Theatre and Film courses.					
Minimum 2.50 GPA ASU Cumulative.					
Term hours subtotal:			15-17		

Term 2	16 - 30 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
 THF 126: School of Theatre and Film: First-Year Experience			2	C	• Prospective Design & Production concentration students must successfully pass an additional interview and portfolio review at the end of term 2. • THF 160, THF 215 and THP 201 must be completed by term 3. • THP 102 must be completed by term 4.
 THF 160: Introduction to Storytelling OR THF 215: Design and Composition for Theatre and Film			3	C	
THP 102: Acting I: Fundamentals OR THP 201: Theatre Production Crew			1-3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition			3	C	
Computer/Statistics/Quantitative Applications (CS)			3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)			3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).					

❗ Milestone: Successful completion of an additional interview and portfolio review.

Maintain 3.00 GPA in Theatre and Film courses.

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15-17

Term 3	31 - 44 Credit Hours	Critical course signified by ❗	Hours	Minimum Grade	Notes

❗ THF 220: Principles of Dramatic Analysis (L or HU)

3

C

Upper Division Design & Production Concentration Core Course

3

C

Design & Production Concentration Elective

1-3

C

Natural Science - Quantitative (SQ)

4

Elective

3

- THP 102 must be completed by term 4.

❗ Complete THP 201 course.

❗ Complete Mathematics (MA) requirement.

Complete First-Year Composition requirement.

Maintain 3.00 GPA in Theatre and Film courses.

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 14-16

Term 4	45 - 60 Credit Hours	Critical course signified by ❗	Hours	Minimum Grade	Notes

❗ THP 213: Introduction to Technical Theatre OR
THP 214: Introduction to Costuming

4

C

❗ THP 218: Directing I: Introduction to Directing

3

C

❗ THP 301: Theatre Production

1

C

Design & Production Concentration Elective

1-3

C

Natural Science - Quantitative (SQ) OR
Natural Science - General (SG)

4

Elective

3

- Terms 4 - 8 for students who have passed the additional interview and portfolio review for the Design & Production concentration.
- THP 213 and THP 214 must be completed by term 5.

❗ Complete THP 102 course.

Maintain 3.00 GPA in Theatre and Film courses.

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16-18

Term 5	61 - 75 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

★ THE 320: History of the Theatre I (HU & H)

3

C

Upper Division Design & Production Concentration Core Course

3

C

Upper Division Design & Production Concentration Elective

1-3

C

Social-Behavioral Sciences (SB) AND Global Awareness (G)

3

Upper Division Elective

3

Elective

2

Complete THP 213 AND THP 214 course(s).

Maintain 3.00 GPA in Theatre and Film courses.

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 15-17

Term 6	76 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	THE 321: History of the Theatre II (HU & H)	3	C	• For Upper Division THE Dramatic Literature course, please refer to Dramatic Literature course options.
	THF 397: Professional Development Seminar	1	C	
	Upper Division Design & Production Concentration Core Course	3	C	
	Upper Division Design & Production Concentration Elective	1	C	
	Upper Division THE Dramatic Literature course	3	C	
	Humanities, Arts and Design (HU)	3		
	Upper Division Elective	3		
	Maintain 3.00 GPA in Theatre and Film courses.			
	Minimum 2.50 GPA ASU Cumulative.			
	Term hours subtotal:	17		

Term 7	93 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	THE 440: Experimental Theatre and Performance (L)	3	C	
	Upper Division Design & Production Concentration Core Course	3	C	
	Upper Division Design & Production Concentration Elective	1-3	C	
	Design & Production Concentration Elective	1-3	C	
	Complete 2 courses: Elective	6		
	Maintain 3.00 GPA in Theatre and Film courses.			
	Minimum 2.50 GPA ASU Cumulative.			
	Term hours subtotal:	14-18		

Term 8	107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	THF 497: Senior Project OR THP 428: Theatre and the Future	1-3	C	• Transfer students complete 1 additional hour of elective credit in term 8 to reach 120 hours because THF 125: Orientation to Theatre & Film (term 1) is not required for transfer students.
	Upper Division Design & Production Concentration Elective	3	C	
	Design & Production Concentration Elective	2-3	C	
	Complete 2 courses: Upper Division Elective	6		
	Elective	2-3		
	Maintain 3.00 GPA in Theatre and Film courses.			
	Minimum 2.50 GPA ASU Cumulative.			
	Term hours subtotal:	14-18		

Dramatic Literature Course: Select 1 course; 3 credits.

THE 421: Shakespeare: Stage and Film (L or HU)

THE 422: Latina and Latino Theatre and Film (HU & C)

THE 423: African American Theatre (C)

THE 426: Pre-Columbian Theatre of the Americas

Design & Production Concentration Core Course: Select 4 courses; 12 credits.

THP 317: Stage Management

THP 330: Costume Design

THP 340: Scene Design

THP 345: Lighting Design

THP 350: Sound Design

THP 355: Media Design for Performance

THP 435: Technical Direction

THP 442: Drawing

Design & Production Concentration Electives: Minimum 9 credits.

FMP 494: Art Direction

THE 430: History of Fashion

THP 317: Stage Management

THP 330: Costume Design

THP 335: Advanced Stagecraft

THP 340: Scene Design

THP 345: Lighting Design

THP 350: Sound Design

THP 355: Media Design for Performance

THP 394: Pattern Drafting for Theatre

THP 401: Advanced Technical Theatre , Costume Construction , Lighting , Lighting, Sound, and Media , Make-Up , Production , Set Construction , Sound , Stage Design , Stage Management , Technical Theatre , Technical Theatre/Stage Management

THP 406: Advanced Scenography

THP 431: Advanced Costume Construction

THP 435: Technical Direction

THP 440: Advanced Scene Design

THP 441: Scene Painting

THP 442: Drawing

THP 444: Drafting for the Stage

THP 445: Advanced Lighting Design

THP 448: AutoCAD for Live Entertainment

THP 449: AutoCAD 3D for Live Entertainment

THP 450: Theatre Organization and Management

THP 455: Advanced Media Design

THP 494: Digital Portfolio

THP 494: Advanced Makeup

THP 498: Costume Design , Design Practicum , Design Project: Lighting & Sound , Design Project: Property Design , Design Project: Scene Design , Lighting Design , Media Design Practicum , Props Master , Scenic Design , Sound Design , Stage Management , Technical Direction

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Theory and Composition (Composition), BMUS

Herberger Institute for Design and the Arts

Tempe campus
FAMUSTCBM

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.			• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill this requirement. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • MUP 101: ASU School of Music Experience - First Year Seminar required of all freshman students. • Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts. • For 4** MUP Music Ensemble options, please refer to Music Ensembles Course List. • Completion of Piano Diagnostic Exam determines placement into Class Piano courses. • Courses offered in fall semester only: MUP 101, MTC 125, MUP 131.
 MTC 123: Beginning Composition	1	C	
 MTC 125: Basic Music Theory	3	C	
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 111: Studio Instruction	2	C	
 4** MUP Music Ensemble	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MUP 131: Class Piano	1	C	
Mathematics (MA)	3		
Term hours subtotal:	15		

Term 2 16 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MTC 123: Beginning Composition	1	C	• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
 MTC 221: Music Theory: 18th Century	3	C	
 MUP 111: Studio Instruction	2	C	
 4** MUP Music Ensemble	1	C	

ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C
MHL 140: Music as Culture (HU & G)	3	C
MUP 132: Class Piano	1	C
❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
Term hours subtotal:	14	

- For 4** MUP Music Ensemble options, please refer to Music Ensembles Course List.
- Courses offered in spring semester only: MTC 221, MUP 132.

Term 3 30 - 44 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MTC 123: Beginning Composition	1	C	• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts. • For 4** MUP Music Ensemble options, please refer to Music Ensembles Course List. • Courses offered in fall semester only: MTC 222, MUP 231.
❗ MTC 222: Music Theory: 19th Century	3	C	
❗ MUP 111: Studio Instruction	2	C	
❗ 4** MUP Music Ensemble	1	C	
MHL 201: Media Literacy for Musicians (CS) OR Computer/Statistics/Quantitative Applications (CS)	3	C	
MUP 231: Class Piano	1	C	
Natural Science - Quantitative (SQ)	4		
❗ Complete MUP 131.			
❗ Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	15		

Term 4 45 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MTC 123: Beginning Composition	1	C	• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts. • For 4** MUP Music Ensemble options, please refer to Music Ensembles Course List. • Courses offered in spring semester only: MTC 223, MUP 232, MTC 321.
❗ MTC 223: Music Theory: 20th Century	3	C	
❗ MUP 111: Studio Instruction	2	C	
❗ 4** MUP Music Ensemble	1	C	
MTC 321: Tonal Counterpoint	2	C	
MUP 232: Class Piano	1	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
❗ Complete MUP 132.			
Term hours subtotal:	17		

Term 5 62 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 341: Music History I (HU)	3	C	• Complete one semester of conducting by end of term 6; may choose either MUP 209 or MUP 210.
★ MTC 323: Composition	3	C	
MTC 320: Modal Counterpoint	2	C	
MTC 327: Intermediate form and Analysis	3		
MUP 121: Studio Instruction	1	C	

MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting	1	C
4** MUP Music Ensemble	1	C
★ Complete MUP 231.		
Term hours subtotal:	14	

- For 4** MUP Music Ensemble options, please refer to Music Ensembles Course List.
- Courses offered in fall semester only: MHL 341, MTC 436, MUP 210, MTC 320 and MTC 327 (even numbered fall semesters only).

Term 6	76 - 92 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	MTC 323: Composition		3	C	• For 4** MUP Music Ensemble options, please refer to Music Ensembles Course List. • Course offered in spring semester only: MHL 342, MTC 433.
★	MTC 433: Orchestration		3	C	
	MHL 342: Music History II (HU)		3	C	
	MUP 121: Studio Instruction		1	C	
	4** MUP Music Ensemble		1	C	
	MHL OR MTC OR MUP Upper Division Elective		3	C	
	Literacy and Critical Inquiry (L)		3		
★	Complete MUP 232.				
★	Complete MUP 209 OR MUP 210.				
Term hours subtotal:			17		

Term 7 93 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MTC 323: Composition	3	C	• Course offered in fall semester only: MHL 440, MTC 436, MTC 425 (odd numbered fall semesters).
MTC 425: Studies in 20th-Century Theory	3		
MTC 436: Electronic Studio Techniques I	2	C	
MHL 440: Music Since 1900 (L or HU)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	14		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MTC 323: Composition	3	C	
★ MTC 495: Final Project	0	Y	
MTC Upper Division Elective	3	C	
Complete 3 courses: MHL OR MTC OR MUP Elective	8-9	C	
Term hours subtotal:	14-15		

MUP Ensembles Course List

MUP 442: Instrumental Ensembles

MUP 443: Choral Ensembles

MUP 479: Baroque Ensemble , Brass Chamber Ensembles , Chamber Choir , Clarinet Choir , Early Music Chamber Choir , Flute Choir , Guitar Ensemble , Piano Ensemble , Piano/String/Woodwind/Brass , Saxophone Choir , Small Saxophone Ensembles , Strings , Trombone Ensemble , Tuba Ensemble , Woodwinds

MUP 486: Concert Jazz Band , Jazz Repertory Band , Jazz Trombone Ensemble , Latin , Latin Jazz Ensemble , New Music Jazz Ensemble

MUP 489: Ethnomusicology Ensembles

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Theory and Composition (Theory), BMUS

Herberger Institute for Design and the Arts

Tempe campus
FAMUSTTBM

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Milestone: School of Music students must successfully complete an entrance audition into the major before enrolling at ASU.			• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. MAT 117, MAT 119, MAT 142 or higher will fulfill requirement. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. MUP 101: ASU School of Music Experience - First Year Seminar required of all freshman students. • Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts. • For 4** MUP Music Ensemble options, please refer to Music Ensembles Course List. • Completion of Piano Diagnostic Exam determines placement into Class Piano courses. • Courses offered in fall semester only: MTC 125, MUP 101, MUP 131.
 MTC 125: Basic Music Theory	3	C	
 MUP 101: The ASU School of Music Experience	1	C	
 MUP 111: Studio Instruction	2	C	
 4** MUP Music Ensemble	1	C	
MUP 131: Class Piano	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3		
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MTC 221: Music Theory: 18th Century	3	C	• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts.
 MUP 111: Studio Instruction	2	C	
 4** MUP Music Ensemble	1	C	
MHL 140: Music as Culture (HU & G)	3	C	
MUP 132: Class Piano	1	C	

ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3	
❖ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
Term hours subtotal:	16	

- For 4** MUP Music Ensemble options, please refer to Music Ensembles Course List.
- Courses offered in spring semester only: MTC 221, MUP 132.

Term 3 31 - 47 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ MTC 222: Music Theory: 19th Century	3	C	• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts. • For 4** MUP Music Ensemble options, please refer to Music Ensembles Course List. • Courses offered in fall semester only: MTC 222, MUP 231.
❖ MUP 111: Studio Instruction	2	C	
❖ 4** MUP Music Ensemble	1	C	
MHL 201: Media Literacy for Musicians (CS) OR Computer/Statistics/Quantitative Applications (CS)	3	C	
MUP 231: Class Piano	1	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
❖ Complete MUP 131.			
❖ Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	17		

Term 4 48 - 63 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ MTC 223: Music Theory: 20th Century	3	C	• Applicability of transfer credit for ensemble and studio instruction is determined based on successful completion of audition and review of transcripts. • For 4** MUP Music Ensemble options, please refer to Music Ensembles Course List. • Courses offered in spring semester only: MTC 223, MUP 232, MTC 321.
❖ MUP 111: Studio Instruction	2	C	
❖ 4** MUP Music Ensemble	1	C	
MTC 321: Tonal Counterpoint	2	C	
MUP 232: Class Piano	1	C	
MHL OR MTC OR MUP OR MUE Elective	3	C	
Natural Science - Quantitative (SQ)	4		
❖ Complete MUP 132.			
Term hours subtotal:	16		

Term 5 64 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 341: Music History I (HU)	3	C	• Complete one semester of conducting by end of term 6; may choose either MUP 209 or MUP 210. • For 4** MUP Music Ensemble options, please refer to Music Ensembles Course List. • Courses offered in fall semester only: MUP 210, MHL 341, MTC 425 (odd
MTC 320: Modal Counterpoint	2	C	
MTC 327: Intermediate form and Analysis	3	C	
MTC 425: Studies in 20th-Century Theory	3	C	
MUP 121: Studio Instruction	1	C	
MUP 209: Beginning Choral Conducting OR MUP 210: Beginning Instrumental Conducting	1	C	
Upper Division 4** MUP Music Ensemble	1	C	

MTC Upper Division Elective	2-3	C
Complete MUP 231.		
Term hours subtotal:	16-17	

numbered fall semesters only), MTC 327 (even numbered fall semesters only) MTC 320 (odd numbered fall semesters only).

Term 6 80 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MHL 342: Music History II (HU)	3	C	- For 4** MUP Music Ensemble options, please refer to Music Ensembles Course List. - Courses offered in spring semester only: MHL 342, MTC 428 (odd numbered spring semesters only).
MTC 428: Advanced form and Analysis	3	C	
MUP 121: Studio Instruction	1	C	
Upper Division 4** MUP Music Ensemble	1	C	
MTC Upper Division Elective	3	C	
MHL OR MTC OR MUP OR MUE Upper Division Elective	1	C	
Literacy and Critical Inquiry (L)	3		
Complete MUP 209 OR MUP 210.			
Complete MUP 232.			
Term hours subtotal:	15		

Term 7 95 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MTC 323: Composition	3	C	- For 4** MUP Music Ensemble options, please refer to Music Ensembles Course List. - Course offered in fall semester only: MTC 422.
★ MTC 422: Musical Acoustics	3	C	
MHL 439: Topics in 19th-Century Music (L & H) OR MHL 440: Music Since 1900 (L or HU) OR MHL 438: Topics in 18th-Century Music (L & H) OR Upper Division MHL course (L)	3	C	
MUP 121: Studio Instruction	1	C	
MTC Upper Division Elective	2-3	C	
Upper Division 4** MUP Music Ensemble	1	C	
Term hours subtotal:	13-14		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MTC 496: Theory Project	3	C	MHL 439 (spring only) or MHL 440 (fall only) or MHL 438 (odd numbered fall only) recommended to complete the upper division music history elective and upper division literacy and critical inquiry general studies requirement. Otherwise, students must take an upper division MHL elective in term 7 and an upper division literacy and critical inquiry course in term 8 in place of the elective.
MUP 121: Studio Instruction	1	C	
Upper Division 4** MUP Music Ensemble	1	C	
MTC Upper Division Elective	3	C	
MHL OR MTC OR MUP OR MUE Upper Division Elective	2-3	C	
Elective	3		
Term hours subtotal:	13-14		

- For 4** MUP Music Ensemble options, please refer to Music Ensembles Course List.

MUP Ensembles Course List

MUP 442: Instrumental Ensembles

MUP 443: Choral Ensembles

MUP 479: Baroque Ensemble , Bass , Brass Chamber Ensembles , Chamber Choir , Clarinet Choir , Early Music Chamber Choir , Flute Choir , Guitar Ensemble , Piano Ensemble , Piano/String/Woodwind/Brass , Saxophone Choir , Small Saxophone Ensembles , Strings , Trombone Ensemble , Tuba Ensemble , Woodwinds

MUP 486: Concert Jazz Band , Jazz Repertory Band , Jazz Trombone Ensemble , Latin , Latin Jazz Ensemble , New Music Jazz Ensemble

MUP 489: Ethnomusicology Ensembles

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map

Aeronautical Management Technology (Air Transportation Management), BS

Ira A. Fulton Schools of Engineering

Polytechnic campus
TSAMTMBS

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 182: Private Pilot Ground School	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • CTI 101 required of all freshman students
 AMT 220: Aviation Meteorology	3	C	
 CTI 101: Success in Technology & Innovation	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
Minimum 2.00 GPA in AMT			
Term hours subtotal:	13		

Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 101: Introduction to Aeronautical Management Technology	1	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4		
PSY 101: Introduction to Psychology (SB)	3		
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
AMT 201: Air Traffic Control	3	C	
 AMT 280: Aerospace Structures, Materials and Systems	4	C	
 PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4		
TMC 110: Understanding the Enterprise	3		

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) AND Historical Awareness (H)	3	C
Complete Mathematics (MA) requirement.		
Term hours subtotal:	17	

Term 4 48 - 62 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 287: Aircraft Powerplants	4	C	Technical Electives: Select any course offered by the College of Technology and Innovation. Consult with an Academic Advisor when selecting technical electives.
 PSY 230: Introduction to Statistics (CS)	3		
Complete 2 courses: Technical Elective	5	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 5 63 - 77 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AMT 308: Air Transportation (G)	3	C	
 AMT 350: Aircraft Design and Logistics Management	3	C	
 TMC 310: Promotion of the Enterprise	3		
TWC 401: Principles of Technical Communication (L) OR TWC 446: Technical and Scientific Reports (L)	3		
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AMT 442: Aviation Law/Regulations	3	C	
 AMT 444: Airport Management and Planning	3	C	
AMT 396: Aviation Professional	1	C	
OMT 452: Industrial Human Resource Management	3		
 TMC 320: Funding the Enterprise	3		
 TMC 330: Leading the Enterprise	3		
Term hours subtotal:	16		

Term 7 94 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AMT 408: National Aviation Policy	3	C	
 AMT 410: Aviation Safety and Human Factors	3	C	
 TMC 410: Enterprise Operations	3		
 TMC 430: Enterprise Strategy and Innovation	3		
Term hours subtotal:	12		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

AMT 484: Internship	3	C
AMT 489: Airline Administration	3	C
AMT 491: Aviation Management Capstone	3	C
OMT 456: Introduction to Organized Labor	3	
★ TMC 470: Enterprise Planning and Implementation	3	
Term hours subtotal:		15

- Consult with your Academic Advisor when selecting Technical Electives.

Technical Elective
AET Elective
ALT Elective
AMT Elective
ATC Elective
CST Elective
EET Elective
EGR Elective
ERM Elective
EST Elective
GIT Elective
IFT Elective
MET Elective
OMT Elective
PSY Elective
SER Elective
SET Elective
TEM Elective
TMC Elective
UET Elective

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Aeronautical Management Technology (Professional Flight), BS**
Ira A. Fulton Schools of Engineering

 Polytechnic campus
TSAMTFBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 105: Flight Operations and Safety I	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • CTI 101 required of all freshman students
 AMT 182: Private Pilot Ground School	3	C	
 AMT 220: Aviation Meteorology	3	C	
 CTI 101: Success in Technology & Innovation	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
 Milestone: Secondary Admission to Professional Status.			
Term hours subtotal:	14		
Term 2 15 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 101: Introduction to Aeronautical Management Technology	1	C	
 AMT 110: Flight Operations and Safety II	1	C	
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
 AMT 222: Commercial/Instrument Ground School II	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Summer 2 30 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 150: Flight Operations & Safety III	1	C	
Term hours subtotal:	1		
Term 3 31 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 205: Flight Operations and Safety IV	1	C	

❗ AMT 280: Aerospace Structures, Materials and Systems	4	C
❗ PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	
AMT 214: Commercial/Instrument Ground School I	3	C
PSY 101: Introduction to Psychology (SB)	3	C
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
❗ Complete Mathematics (MA) requirement.		
Term hours subtotal:	18	

Term 4 49 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ AMT 210: Flight Operations and Safety V	1	C	
AMT 201: Air Traffic Control	3	C	
AMT 286: Multiengine Pilot Ground School	1	C	
AMT 287: Aircraft Powerplants	4	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	12		

Summer 4 61 - 61 Credit Hours	Hours	Minimum Grade	Notes
AMT 250: Flight Operations and Safety VI	1	C	
Term hours subtotal:	1		

Term 5 62 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 305: Flight Operations and Safety VII	1	C	
★ AMT 442: Aviation Law/Regulations	3	C	
AMT 285: Flight Instructor Ground School	3	C	
AMT 308: Air Transportation (G)	3	C	
AMT 350: Aircraft Design and Logistics Management	3	C	
PSY 230: Introduction to Statistics (CS)	3		
Term hours subtotal:	16		

Term 6 78 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AMT 292: Flight Instructor Instrument Ground School	3	C	
★ AMT 310: Flight Operations and Safety VIII	1	C	
AMT 382: Air Navigation	3	C	
AMT 396: Aviation Professional	1	C	
AMT 444: Airport Management and Planning	3	C	
Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		

Minimum

Term 7	92 - 106 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★	AMT 408: National Aviation Policy	3	C	
	AMT 410: Aviation Safety and Human Factors	3	C	
	AMT 482: Airline Instrument Procedures	3	C	
	AMT 486: Regional Jet Aircraft Systems	3	C	
	AMT 488: Regional Jet Aircraft Systems II	3	C	
Term hours subtotal:		15		

Term 8	107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	AMT 489: Airline Administration	3	C	
	AMT 484: Internship	2	C	
	AMT 490: Regional Jet Operations Capstone	3	C	
	Upper Division TWC course (L)	3		
	Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:		14		

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Aeronautical Management Technology (Unmanned Aerial Systems), BS

Ira A. Fulton Schools of Engineering

Polytechnic campus

TSAMTUASBS

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 182: Private Pilot Ground School	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • CTI 101 required of all freshman students
 AMT 220: Aviation Meteorology	3	C	
 CTI 101: Success in Technology & Innovation	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Term hours subtotal:	13		

Term 2 14 - 27 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
AMT 101: Introduction to Aeronautical Management Technology	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Complete 2 courses: Technical Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 28 - 43 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 170: Introduction to Unmanned Aircraft Systems	3	C	
AMT 201: Air Traffic Control	3	C	
AMT 280: Aerospace Structures, Materials and Systems	4	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
PSY 101: Introduction to Psychology (SB)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 44 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 270: Unmanned Aircraft	3	C	
AMT 287: Aircraft Powerplants	4	C	
PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4		
Literacy and Critical Inquiry (L)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	17		
Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AMT 308: Air Transportation (G)	3	C	
AMT 350: Aircraft Design and Logistics Management	3	C	
PSY 230: Introduction to Statistics (CS)	3		
Technical Elective	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		
Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AMT 370: Unmanned Aircraft Systems	3	C	
AMT 396: Aviation Professional	1	C	
AMT 442: Aviation Law/Regulations	3	C	
AMT 444: Airport Management and Planning	3	C	
Technical Elective	2		
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		
Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AMT 470: Unmanned Aircraft Payloads, Sensors, and Control Stations	3	C	
AMT 408: National Aviation Policy	3	C	
AMT 489: Airline Administration	3	C	
ABS 485: GIS in Natural Resources	3	C	
TWC 400: Technical Communications (L) OR TWC 401: Principles of Technical Communication (L)	3		
Term hours subtotal:	15		
Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AMT 491: Aviation Management Capstone	3	C	
AMT 484: Internship	3	C	
AMT 495: Unmanned Aircraft Systems Operations	3	C	

ABS 486: Introduction to Remote Sensing	4	C
Technical Elective	2	
Term hours subtotal:		15

Technical Elective
AMT Elective
GIT Elective
PSY Elective
TEM Elective
TMC Elective

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Aerospace Engineering (Aeronautics), BSE

Ira A. Fulton Schools of Engineering

Tempe campus
ESAEROBSE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ASU 101-MAE and FSE 100 required for freshmen and should be completed first semester. Non-freshmen see Advisor for petitioning replacement electives. • If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-AEE: The ASU Experience OR ASU 101-MAE: The ASU Experience	1		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
FSE 100: Introduction to Engineering	2	C	
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 242: Elementary Linear Algebra	2	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H) OR Historical Awareness (H)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAE 212: Engineering Mechanics	4	C	
 MAT 275: Modern Differential Equations (MA)	3	C	
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
 PHY 132: University Physics Laboratory II (SQ)	1	C	
MAE 215: Introduction to Programming in MATLAB	1	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
 Complete MAT 265 AND MAT 266 AND PHY 121 AND PHY 122 AND PHY 131 AND PHY 132 AND CHM 114 OR CHM 116 AND MAT 275 AND MAE 212 AND MAT 242 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 4 47 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAE 213: Solid Mechanics	3	C	
 MAE 240: Thermofluids I	4	C	
EEE 202: Circuits I	4	C	
MAE 214: Computer-Aided Engineering I	1	C	
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C	
Term hours subtotal:	15		

Term 5 62 - 77 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AEE 360: Aerodynamics (L) OR MAE 360: Aerodynamics (L)	4	C	Both MAE 362 and MAE 360 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.
MAE 301: Applied Experimental Statistics	3	C	
MAE 318: System Dynamics and Control	5	C	
AEE 325: Aerospace Structures and Materials OR MAE 325: Aerospace Structures and Materials	4	C	
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AEE 344: Fundamentals of Aircraft Design OR MAE 344: Fundamentals of Aircraft Design	3	C	Both MAE 362 and MAE 360 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.
AEE 313: Aircraft Dynamics and Control OR MAE 313: Aircraft Dynamics and Control	3	C	
AEE 362: High-Speed Aerodynamics (L) OR MAE 362: High-Speed Aerodynamics (L)	4	C	
AEE 462: Space Vehicle Dynamics and Control OR MAE 462: Space Vehicle Dynamics and Control	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	16		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AEE 463: Aircraft Propulsion OR MAE 463: Aircraft Propulsion	3	C	For a list of Upper Division Technical Elective course options, please visit: http://engineering.asu.edu/semte/aerospace_B.html.
AEE 415: Vibration Analysis OR MAE 415: Vibration Analysis	3	C	
MAE 400: Engineering Profession (L)	3	C	
Upper Division Technical Elective	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H) OR Historical Awareness (H)	3		
Term hours subtotal:		15	

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AEE 468: Aircraft Systems Design OR MAE 468: Aircraft Systems Design	3	C	For a list of Upper Division Technical Elective & Elective course options, please visit: http://engineering.asu.edu/semte/aerospace_B.html.
Upper Division Technical Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:		12	

- For a list of Upper Division Technical Elective & Elective course options, please visit: http://engineering.asu.edu/semte/aerospace_B.html.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Aerospace Engineering (Astronautics), BSE

Ira A. Fulton Schools of Engineering

Tempe campus
ESAEASBSE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-AEE: The ASU Experience OR ASU 101-MAE: The ASU Experience	1		
FSE 100: Introduction to Engineering OR SES 100: Introduction to Exploration (CS)	2-3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16-17	
Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 242: Elementary Linear Algebra	2	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:		15	
Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAE 212: Engineering Mechanics	4	C	
 MAT 275: Modern Differential Equations (MA)	3	C	

⚠ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
⚠ PHY 132: University Physics Laboratory II (SQ)	1	C
MAE 215: Introduction to Programming in MATLAB	1	C
MAT 267: Calculus for Engineers III (MA)	3	C
⚠ Minimum 2.00 GPA ASU Cumulative.		
⚠ Complete MAT 275 AND MAT 265 AND MAT 266 AND CHM 114 OR CHM 116 AND PHY 121 AND PHY 122 AND MAE 212 AND PHY 131 AND PHY 132 AND ENG 102 OR ENG 105 OR ENG 108 AND MAT 242 course(s).		
Term hours subtotal:	15	

Term 4 47 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ MAE 213: Solid Mechanics	3	C	
⚠ MAE 240: Thermofluids I	4	C	
EEE 202: Circuits I	4	C	
MAE 214: Computer-Aided Engineering I	1	C	
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C	
Term hours subtotal:	15		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AEE 360: Aerodynamics (L) OR MAE 360: Aerodynamics (L)	4	C	
MAE 301: Applied Experimental Statistics	3	C	
MAE 318: System Dynamics and Control	5	C	
EEE 203: Signals and Systems I	3	C	
Term hours subtotal:	15		

Term 6 77 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AEE 462: Space Vehicle Dynamics and Control OR MAE 462: Space Vehicle Dynamics and Control	3	C	• MAE 360 and MAE 362 must be completed to receive (L) credit
AEE 325: Aerospace Structures and Materials OR MAE 325: Aerospace Structures and Materials	4	C	
AEE 362: High-Speed Aerodynamics (L) OR MAE 362: High-Speed Aerodynamics (L)	4	C	
EEE 350: Random Signal Analysis	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	17		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AEE 445: Fundamentals of Spacecraft Design OR MAE 445: Fundamentals of Spacecraft Design	3	C	
AEE 465: Rocket Propulsion OR MAE 465: Rocket Propulsion	3	C	

MAE 400: Engineering Profession (L)	3	C
Upper Division EEE Technical Elective	3	C
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Term hours subtotal:	15	

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AEE 480: Space Systems Design OR MAE 480: Space Systems Design	3	C	For a list of MAE Upper Division Technical Elective & Elective course options, please visit: http://engineering.asu.edu/semte/aerospace_B.html.
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division MAE Technical Elective	3	C	
Elective	3		
Term hours subtotal:	12		

- For a list of MAE Upper Division Technical Elective & Elective course options, please visit:
http://engineering.asu.edu/semte/aerospace_B.html.

EEE Technical Elective

EEE 455: Communication Systems

EEE 459: Communication Networks

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Aerospace Engineering (Autonomous Vehicle Systems), BSE

Ira A. Fulton Schools of Engineering

Tempe campus
ESAEAVSBSE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ASU 101-MAE and FSE 100 required for freshmen and should be completed first semester. Non-freshmen see Advisor for petitioning replacement electives. • If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-AEE: The ASU Experience OR ASU 101-MAE: The ASU Experience	1		
FSE 100: Introduction to Engineering	2	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 242: Elementary Linear Algebra	2	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

❗ MAE 212: Engineering Mechanics	4	C
❗ MAT 275: Modern Differential Equations (MA)	3	C
❗ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
❗ PHY 132: University Physics Laboratory II (SQ)	1	C
MAE 215: Introduction to Programming in MATLAB	1	C
MAT 267: Calculus for Engineers III (MA)	3	C
❗ Complete MAT 265 AND MAT 266 AND PHY 121 AND MAE 212 AND MAT 275 AND PHY 131 AND PHY 122 AND PHY 132 AND MAT 242 course(s).		
❗ Complete CHM 114 OR CHM 116 course(s).		
❗ Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	15	

Term 4 47 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MAE 213: Solid Mechanics	3	C	
❗ MAE 240: Thermofluids I	4	C	
EEE 202: Circuits I	4	C	
MAE 214: Computer-Aided Engineering I	1	C	
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C	
Term hours subtotal:	15		

Term 5 62 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AEE 360: Aerodynamics (L) OR MAE 360: Aerodynamics (L)	4	C	Both MAE 362 and MAE 360 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.
MAE 301: Applied Experimental Statistics	3	C	
MAE 318: System Dynamics and Control	5	C	
AEE 325: Aerospace Structures and Materials OR MAE 325: Aerospace Structures and Materials	4	C	
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AEE 313: Aircraft Dynamics and Control OR MAE 313: Aircraft Dynamics and Control	3	C	Both MAE 362 and MAE 360 must be taken to secure Literacy and Critical Inquiry (L) General Studies credit.
AEE 362: High-Speed Aerodynamics (L) OR MAE 362: High-Speed Aerodynamics (L)	4	C	
AEE 462: Space Vehicle Dynamics and Control OR MAE 462: Space Vehicle Dynamics and Control	3	C	
Upper Division Track Focus Elective Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	16		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ AEE 463: Aircraft Propulsion OR MAE 463: Aircraft Propulsion	3	C
★ AEE 478: Fundamentals of Autonomous Aircraft Systems OR MAE 478: Fundamentals of Autonomous Aircraft Systems	3	C
MAE 400: Engineering Profession (L)	3	C
Upper Division Track Focus Elective Course	3	C
Social-Behavioral Sciences (SB)	3	
Term hours subtotal:	15	

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AEE 479: Design of Autonomous Aircraft Systems OR MAE 479: Design of Autonomous Aircraft Systems	3	C	
Upper Division Track Focus Elective Course	3	C	
POS 325: Public Policy Development (SB) OR POS 300: Contemporary Global Controversies (SB & G) OR POS 370: Law and Society (SB) OR PHI 306: Applied Ethics (HU)	3		
Elective	3		
Term hours subtotal:	12		

- For a list of Upper Division Technical Elective & Elective course options, please visit: http://engineering.asu.edu/semte/aerospace_B.html.

Guidance, Navigation, and Controls track

EEE 480: Feedback Systems

EEE 481: Computer-Controlled Systems

MAE 417: Control System Design

Communications track

EEE 203: Signals and Systems I

EEE 304: Signals and Systems II

EEE 350: Random Signal Analysis

EEE 455: Communication Systems

EEE 459: Communication Networks

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Air Traffic Management, BS

Ira A. Fulton Schools of Engineering
Polytechnic campus
TSATMBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 182: Private Pilot Ground School	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • CTI 101 is required of all freshman students
 AMT 220: Aviation Meteorology	3	C	
 CTI 101: Success in Technology & Innovation	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 265: Calculus for Engineers I (MA)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) AND Historical Awareness (H)	3		
Term hours subtotal:	16		

Term 2 17 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 101: Introduction to Aeronautical Management Technology	1	C	
 AMT 201: Air Traffic Control	3	C	
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 280: Aerospace Structures, Materials and Systems	4	C	
 ATC 230: Fundamentals of Air Traffic Management	3	C	
 PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4		
 PSY 101: Introduction to Psychology (SB)	3	C	
 TMC 110: Understanding the Enterprise	3	C	
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 17

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMT 287: Aircraft Powerplants	4	C	Technical Electives: Select any course offered by the College of Technology and Innovation. Consult with an Academic Advisor when selecting technical electives.
 ATC 331: Tower Operations	3	C	
PSY 230: Introduction to Statistics (CS)	3		
Literacy and Critical Inquiry (L)	3		
Technical Elective	3		
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AMT 308: Air Transportation (G)	3	C	
 ATC 332: TRACON Operations	3	C	
AMT 350: Aircraft Design and Logistics Management	3	C	
ATC 431: Tower Operations and Procedures	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AMT 396: Aviation Professional	1	C	Technical Electives: Select any course offered by the College of Technology and Innovation. Consult with an Academic Advisor when selecting technical electives.
 AMT 442: Aviation Law/Regulations	3	C	
 AMT 444: Airport Management and Planning	3	C	
 ATC 432: TRACON Operations and Procedures	3	C	
TMC 320: Funding the Enterprise	3	C	
Technical Elective	2		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AMT 408: National Aviation Policy	3	C	
 AMT 410: Aviation Safety and Human Factors	3	C	
 ATC 333: En Route Operations	3	C	
ATC 484: Internship	3	C	
TMC 330: Leading the Enterprise	3	C	
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ATC 433: En Route Operations and Procedures	3	C	

★ ATC 491: Air Traffic Management Capstone	3	C
TWC 401: Principles of Technical Communication (L) OR TWC 446: Technical and Scientific Reports (L)	3	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3	
Term hours subtotal:	12	

Technical Elective

AET Elective

ALT Elective

AMT Elective

ATC Elective

CST Elective

EET Elective

EGR Elective

ERM Elective

EST Elective

GIT Elective

IFT Elective

MET Elective

OMT Elective

PSY Elective

SER Elective

SET Elective

TEM Elective

TMC Elective

UET Elective

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

Name: _____	ASU ID: _____
AAS Degree: _____	AAS degree date: _____
AAS Institution: _____	Catalog year: _____
Number of upper division transfer credits: _____	Expected Graduation Semester: _____
Institution of transfer work (upper division only): _____	

Course Subject and Title	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Notes
GENERAL STUDIES SEQUENCE: 19 CREDIT HOURS					
ASC 315: Numeracy in Technology (MA) OR Mathematics (MA)	3	☐			Students must also satisfy general studies awareness areas either through completed transfer work or by sharing with L, HU, or SB courses at ASU: ☐ Cultural Diversity in the U.S. (C) ☐ Global Awareness (G) ☐ Historical Awareness (H)
ASC 325: Physical Sciences in Technology (SQ) OR Natural Science - Quantitative (SQ)	4	☐			
Humanities, Arts and Design (HU)	3	☐			
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	☒			
Literacy and Critical Inquiry (L)	3	☒			
Social-Behavioral Sciences (SB)	3	☐			
BAS CORE: 15 CREDIT HOURS					
ABS 350: Applied Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS)	3	☒			
GIT 335: Computer Systems Technology	3	☒			
TMC 330: Leading the Enterprise	3	☒			
TMC 470: Enterprise Planning and Implementation	3	☒			
Upper Division TWC course (L)	3	☒			
CONCENTRATION: 20 CREDIT HOURS					
AMT 308: Air Transportation (G)	3	☒			
AMT 396: Aviation Professional	1	☒			
AMT 408: National Aviation Policy	3	☒			
AMT 489: Airline Administration	3	☒			
AMT 442: Aviation Law/Regulations	3	☒			
AMT 491: Aviation Management Capstone	3	☒			
AMT Upper Division Elective	4	☒			
ASSIGNABLE CREDITS: 6 CREDIT HOURS					
	3	☒			• Consult with your advisor on assignable credit course selections
	3	☒			

BAS Graduation Requirements Summary:

This program allows students who have earned an Associate of Applied Science from a regionally accredited institution to transfer 60 or 75 credit hours toward a Bachelor of Applied Science at ASU. Students may opt to complete additional general studies course work at a community college to be eligible to transfer up to 75 credits towards the BAS.

- ☐ Total hours: 120 minimum
- ☐ ASU hours: 30 minimum
- ☐ 4-year institution hours: 45-60 minimum
- ☐ Upper division hours: 45 minimum
- ☐ Academic Recognition: 56 minimum
- ☐ GPA: 2.000 minimum
- ☐ Total hours transferred from community college: 60-75 maximum

General University Requirements: Legend

- General Studies Core Requirements:
 - o Literacy and Critical Inquiry (L)
 - o Mathematical Studies (MA)
 - o Computer/Statistics/Quantitative applications (CS)
 - o Humanities, Arts and Design (HU)
 - o Social-Behavioral Sciences (SB)
 - o Natural Science-Quantitative (SQ)
 - o Natural Science-General (SG)
- General Studies Awareness Requirements
 - o Cultural Diversity in the US (C)
 - o Global Awareness (G)
 - o Historical Awareness (H)
- First-Year Composition

Name: _____	ASU ID: _____
AAS Degree: _____	AAS degree date: _____
AAS Institution: _____	Catalog year: _____
Number of upper division transfer credits: _____	Expected Graduation Semester: _____
Institution of transfer work (upper division only): _____	

Course Subject and Title	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Notes
GENERAL STUDIES SEQUENCE: 19 CREDIT HOURS					
ASC 315: Numeracy in Technology (MA) OR Mathematics (MA)	3	☐			Students must also satisfy general studies awareness areas either through completed transfer work or by sharing with L, HU, or SB courses at ASU: ☐ Cultural Diversity in the U.S. (C) ☐ Global Awareness (G) ☐ Historical Awareness (H)
ASC 325: Physical Sciences in Technology (SQ) OR Natural Science - Quantitative (SQ)	4	☐			
Humanities, Arts and Design (HU)	3	☐			
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	☒			
Upper Division Literacy and Critical Inquiry (L)	3	☒			
Social- Behavioral Sciences (SB)	3	☐			
BAS CORE: 15 CREDIT HOURS					
EST 345: Planning and Delivering Engineering Projects	3	☒			
EST 465: Statistical Process Control	3	☒			
TMC 330: Leading the Enterprise	3	☒			
TWC 446: Technical and Scientific Reports (L)	3	☒			
UET 331: Electronic Materials	3	☒			
CONCENTRATION: 21 CREDIT HOURS					
See below to select Alternative Energy or Electronic Systems	3	☒			
	3	☒			
	3	☒			
	3	☒			
	3	☒			
	3	☒			
	3	☒			
	3	☒			
ASSIGNABLE CREDITS: 5 CREDIT HOURS					
ABS 350: Applied Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS)	3	☒			• Consult with your advisor on assignable credit course selections
See below	2	☒			

BAS Graduation Requirements Summary: This program allows students who have earned an Associate of Applied Science from a regionally accredited institution to transfer 60 or 75 credit hours toward a Bachelor of Applied Science at ASU. Students may opt to complete additional general studies course work at a community college to be eligible to transfer up to 75 credits towards the BAS. ☐ Total hours: 120 minimum ☐ ASU hours: 30 minimum ☐ 4-year institution hours: 45-60 minimum ☐ Upper division hours: 45 minimum ☐ Academic Recognition: 56 minimum ☐ GPA: 2.00 minimum ☐ Total hours transferred from community college: 60-75 maximum	General University Requirements: Legend - General Studies Core Requirements: - Literacy and Critical Inquiry (L) - Mathematical Studies (MA) - Computer/Statistics/Quantitative applications (CS) - Humanities, Arts and Design (HU) - Social- Behavioral Sciences (SB) - Natural Science-Quantitative (SQ) - Natural Science-General (SG) - General Studies Awareness Requirements - Cultural Diversity in the US (C) - Global Awareness (G) - Historical Awareness (H) - First-Year Composition

Alternative Energy EST 310: Circuit Analysis II ALT 420: Electrochemical Energy Technologies ALT 435: Applied Photovoltaics ALT 360: Renewable Energy Technologies: Fundamentals and Integration ALT 401: Hydrogen Generation, Storage, and Distribution ALT 405: Power Conditioning ALT 445: Automotive and Stationary Fuel Cell Systems Technical Electives to complete concentration and assignable credits	Electronic Systems EST 310: Circuit Analysis II EST 350: Microcontroller Applications EST 370: Sensors EET 430: Instrumentation and Measurement Systems EST 372: Wireless Communication Systems EST 380: Electronic Devices EET 460: Power Electronics or ALT 405: Power Conditioning MET 351: Introduction to Automation Technical electives to complete concentration and assignable credits

Name: _____	ASU ID: _____
AAS Degree: _____	AAS degree date: _____
AAS Institution: _____	Catalog year: _____
Number of upper division transfer credits: _____	Expected Graduation Semester: _____
Institution of transfer work (upper division only): _____	

Course Subject and Title (courses in bold/shading are critical)	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Notes
GENERAL STUDIES SEQUENCE: 19 CREDIT HOURS					
ASC 315: Numeracy in Technology (MA) OR Mathematics (MA)	3	☐			Students must also satisfy general studies awareness areas either through completed transfer work or by sharing with L, HU, or SB courses at ASU: ☐ Cultural Diversity in the U.S. (C) ☐ Global Awareness (G) ☐ Historical Awareness (H)
ASC 325: Physical Sciences in Technology (SQ) OR Natural Science - Quantitative (SQ)	4	☐			
Humanities, Arts and Design (HU)	3	☐			
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	☒			
Upper Division Literacy and Critical Inquiry (L)	3	☒			
Social-Behavioral Sciences (SB)	3	☐			
BAS CORE: 15 CREDIT HOURS					
ABS 350: Applied Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS)	3	☒			
GIT 335: Computer Systems Technology	3	☒			
TMC 330: Leading the Enterprise	3	☒			
TMC 470: Enterprise Planning and Implementation	3	☒			
Upper Division TWC AND Literacy and Critical Inquiry (L)	3	☒			
CONCENTRATION: 21 CREDIT HOURS					
GIT 303: Digital Publishing	3	☒			
GIT 413: Professional Portfolio Design and Presentation	3	☒			
TMC 480: Senior Project	3	☒			
Complete 4 courses: Concentration Focus Area	12	☒			
ASSIGNABLE CREDITS: 5 CREDIT HOURS					
	3	☒			Students should work with an advisor for assistance in selecting assignable credits.
	2	☐			

BAS Graduation Requirements Summary:

This program allows students who have earned an Associate of Applied Science from a regionally accredited institution to transfer 60 or 75 credit hours toward a Bachelor of Applied Science at ASU. Students may opt to complete additional general studies coursework at a community college to be eligible to transfer up to 75 credits towards the BAS.

- ☐ Total hours: 120 minimum
- ☐ ASU hours: 30 minimum
- ☐ 4-year institution hours: 45-60 minimum
- ☐ Upper division hours: 45 minimum
- ☐ Academic Recognition: 56 minimum
- ☐ GPA: 2.000 minimum
- ☐ Total hours transferred from community college: 60-75 maximum

BAS Graphic Information Technology Focus Area

Concentration Focus Area courses should be selected from the available focus area with assistance from faculty and an advisor.

Imaging

- GIT 334: Image Capture and Manipulation
- GIT 384: Commercial Photography
- GIT 394: Special Topics
- GIT 490: Advanced Commercial Photography

General University Requirements: Legend

- General Studies Core Requirements:
 - o Literacy and Critical Inquiry (L)
 - o Mathematical Studies (MA)
 - o Computer/Statistics/Quantitative applications (CS)
 - o Humanities, Arts and Design (HU)
 - o Social-Behavioral Sciences (SB)
 - o Natural Science-Quantitative (SQ)
 - o Natural Science-General (SG)
- General Studies Awareness Requirements
 - o Cultural Diversity in the US (C)
 - o Global Awareness (G)
 - o Historical Awareness (H)
- First-Year Composition

Name: _____	ASU ID: _____
AAS Degree: _____	AAS degree date: _____
AAS Institution: _____	Catalog year: _____
Number of upper division transfer credits: _____	Expected Graduation Semester: _____
Institution of transfer work (upper division only): _____	

Course Subject and Title	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Notes
GENERAL STUDIES SEQUENCE: 19 CREDIT HOURS					
ASC 315: Numeracy in Technology (MA) OR Mathematics (MA)	3	☐			Students must also satisfy general studies awareness areas either through completed transfer work or by sharing with L, HU, or SB courses at ASU: ☐ Cultural Diversity in the U.S. (C) ☐ Global Awareness (G) ☐ Historical Awareness (H)
ASC 325: Physical Sciences in Technology (SQ) OR Natural Science - Quantitative (SQ)	4	☐			
Humanities, Arts and Design (HU)	3	☐			
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	☒			
Upper Division Literacy and Critical Inquiry (L)	3	☒			
Social-Behavioral Sciences (SB)	3	☐			
BAS CORE: 15 CREDIT HOURS					
ABS 350: Applied Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS)	3	☒			TMC 470 prerequisite is TMC 330.
GIT 335: Computer Systems Technology	3	☒			
TMC 330: Leading the Enterprise	3	☒			
TMC 470: Enterprise Planning and Implementation	3	☒			
Literacy and Critical Inquiry (L) AND TWC Upper Division Elective	3	☒			
CONCENTRATION: 21 CREDIT HOURS					
GIT 314: Multimedia Design, Planning and Storyboards	3	☒			Enroll in TMC 480 during final semester. GIT 418 prerequisite is GIT 417. GIT 435 prerequisite is GIT 414.
GIT 334: Image Capture and Manipulation	3	☒			
GIT 414: Web Site Design and Internet/Web Technologies	3	☒			
GIT 417: Advanced Web Markup and Scripting	3	☒			
GIT 418: Multimedia Authoring, Scripting and Production	3	☒			
GIT 435: Website and E-Commerce Strategies	3	☒			
TMC 480: Senior Project	3	☒			
ASSIGNABLE CREDITS: 5 CREDIT HOURS*					
	2	☒			Students should work with an advisor for assistance in selecting assignable credits.
	3	☐			

*[GIT 237: Web Content Design](#) should be taken for assignable credit prior to enrolling in the concentration courses if the content covered was not included in the student's AAS degree requirements.

BAS Graduation Requirements Summary:

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- ☐ Total hours: 120 minimum
- ☐ ASU hours: 30 minimum
- ☐ 4-year institution hours: 45-60 minimum
- ☐ Upper division hours: 45 minimum
- ☐ Academic Recognition: 56 minimum
- ☐ GPA: 2.000 minimum
- ☐ Total hours transferred from community college: 60-75 maximum

General University Requirements: Legend

- General Studies Core Requirements:
 - o Literacy and Critical Inquiry (L)
 - o Mathematical Studies (MA)
 - o Computer/Statistics/Quantitative applications (CS)
 - o Humanities, Arts and Design (HU)
 - o Social-Behavioral Sciences (SB)
 - o Natural Science-Quantitative (SQ)
 - o Natural Science-General (SG)
- General Studies Awareness Requirements
 - o Cultural Diversity in the US (C)
 - o Global Awareness (G)
 - o Historical Awareness (H)
- First-Year Composition

Name: _____	ASU ID: _____
AAS Degree: _____	AAS degree date: _____
AAS Institution: _____	Catalog year: _____
Number of upper division transfer credits: _____	Expected Graduation Semester: _____
Institution of transfer work (upper division only): _____	

Course Subject and Title	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Notes
GENERAL STUDIES SEQUENCE: 19 CREDIT HOURS					
ASC 315: Numeracy in Technology (MA) OR Mathematics (MA)	3	☐			Students must also satisfy general studies awareness areas either through completed transfer work or by sharing with L, HU, or SB courses at ASU: ☐ Cultural Diversity in the U.S. (C) ☐ Global Awareness (G) ☐ Historical Awareness (H)
ASC 325: Physical Sciences in Technology (SQ) OR Natural Science - Quantitative (SQ)	4	☐			
Humanities, Arts and Design (HU)	3	☐			
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	☒			
Upper Division Literacy and Critical Inquiry (L)	3	☒			
Social-Behavioral Sciences (SB)	3	☐			
BAS CORE: 15 CREDIT HOURS					
TMC 331: Quality Assurance	3	☒			
OMT 452: Industrial Human Resource Management	3	☒			
TMC 330: Leading the Enterprise	3	☒			
TMC 470: Enterprise Planning and Implementation	3	☒			
TWC 446: Technical and Scientific Reports (L)	3	☒			
CONCENTRATION: 20 CREDIT HOURS					
OMT 343: Occupational Safety and Ergonomics	3	☒			
MET 302: Welding Survey	3	☒			
MET 309: Nondestructive Testing and Quality Assurance	1	☒			
MET 341: Manufacturing Analysis	3	☒			
MET 344: Casting and Forming Processes	3	☒			
MET 345: Advanced Manufacturing Processes	3	☒			
MET 396: Professional Orientation	1	☒			
MET 444: Production Tooling	3	☒			
ASSIGNABLE CREDITS: 5 CREDIT HOURS					
STP 420: Introductory Applied Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS)	3	☒			• Consult with your advisor on assignable credit course selections
MET 351: Introduction to Automation (recommended)	2	☒			

BAS Graduation Requirements Summary:

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- ☐ Total hours: 120 minimum
- ☐ ASU hours: 30 minimum
- ☐ 4-year institution hours: 45-60 minimum
- ☐ Upper division hours: 45 minimum
- ☐ Academic Recognition: 56 minimum
- ☐ GPA: 2.00 minimum
- ☐ Total hours transferred from community college: 60-75 maximum

General University Requirements: Legend

- General Studies Core Requirements:
 - o Literacy and Critical Inquiry (L)
 - o Mathematical Studies (MA)
 - o Computer/Statistics/Quantitative applications (CS)
 - o Humanities, Arts and Design (HU)
 - o Social-Behavioral Sciences (SB)
 - o Natural Science-Quantitative (SQ)
 - o Natural Science-General (SG)
- General Studies Awareness Requirements
 - o Cultural Diversity in the US (C)
 - o Global Awareness (G)
 - o Historical Awareness (H)
- First-Year Composition

Name: _____	ASU ID: _____
AAS Degree: _____	AAS degree date: _____
AAS Institution: _____	Catalog year: _____
Number of upper division transfer credits: _____	Expected Graduation Semester: _____
Institution of transfer work (upper division only): _____	

Course Subject and Title	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Notes	
GENERAL STUDIES SEQUENCE: 19 CREDIT HOURS						
ASC 315 Numeracy in Technology (MA) OR Mathematics (MA)	3	☐			Students must also satisfy general studies awareness areas either through completed transfer work or by sharing with L, HU, or SB courses at ASU: ☐ Cultural Diversity in the U.S. (C) ☐ Global Awareness (G) ☐ Historical Awareness (H)	
ASC 325 Physical Sciences in Technology (SQ) OR Natural Science - Quantitative (SQ)	4	☐				
Humanities, Arts and Design (HU)	3	☐				
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	☒				
Upper Division Literacy and Critical Inquiry (L)	3	☒				
Social-Behavioral Sciences (SB)	3	☐				
BAS CORE: 15 CREDIT HOURS						
GIT 335 Computer Systems Technology	3	☒				
STS 401 Statistics in Science and Technology Studies (CS)	3	☒				
TMC 330 Leading the Enterprise	3	☒				
TMC 470 Enterprise Planning and Implementation	3	☒				
TWC Upper Division Elective AND Literacy and Critical Inquiry (L)	3	☒				
CONCENTRATION: 21 CREDIT HOURS						
OMT 343 Occupational Safety and Ergonomics	3	☒				
OMT 430 Ethical Issues in Technology OR OMT 402 Legal Issues for Technologists	3	☒				
OMT 452 Industrial Human Resource Management OR OMT 480 Organizational Effectiveness	3	☒				
TEM 330 Systems Innovation	3	☒				
TMC 410 Enterprise Operations	3	☒				
TMC 331 Quality Assurance	3	☒				
TMC 480 Senior Project OR TEM 481 Consulting Project	3	☒				
ASSIGNABLE CREDITS: 5 CREDIT HOURS						
	2	☒				• Consult with your advisor on assignable credit course selections
	3	☒				

BAS Graduation Requirements Summary:

This program allows students who have earned an Associate of Applied Science from a regionally accredited institution to transfer 60 or 75 credit hours toward a Bachelor of Applied Science at ASU. Students may opt to complete additional general studies course work at a community college to be eligible to transfer up to 75 credits towards the BAS.

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- ☐ ASU hours: 30 minimum
- ☐ 4-year institution hours: 45-60 minimum
- ☐ Upper division hours: 45 minimum
- ☐ Academic Recognition: 56 minimum
- ☐ GPA: 2.00 minimum
- ☐ Total hours transferred from community college: 60-75 maximum

General University Requirements: Legend

- General Studies Core Requirements:
 - o Literacy and Critical Inquiry (L)
 - o Mathematical Studies (MA)
 - o Computer/Statistics/Quantitative Applications (CS)
 - o Humanities, Arts and Design (HU)
 - o Social-Behavioral Sciences (SB)
 - o Natural Science - Quantitative (SQ)
 - o Natural Science - General (SG)
- General Studies Awareness Requirements
 - o Cultural Diversity in the US (C)
 - o Global Awareness (G)
 - o Historical Awareness (H)
- First-Year Composition

Name: _____	ASU ID: _____
AAS Degree: _____	AAS degree date: _____
AAS Institution: _____	Catalog year: _____
Number of upper division transfer credits: _____	Expected Graduation Semester: _____
Institution of transfer work (upper division only): _____	

Course Subject and Title	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Notes
GENERAL STUDIES SEQUENCE: 19 CREDIT HOURS					
ASC 315: Numeracy in Technology (MA) OR Mathematics (MA)	3	☐			Students must also satisfy general studies awareness areas either through completed transfer work or by sharing with L, HU, or SB courses at ASU: ☐ Cultural Diversity in the U.S. (C) ☐ Global Awareness (G) ☐ Historical Awareness (H)
ASC 325: Physical Sciences in Technology (SQ) OR Natural Science - Quantitative (SQ)	4	☐			
Humanities, Arts and Design (HU)	3	☐			
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	☒			
Upper Division Literacy and Critical Inquiry (L)	3	☒			
Social-Behavioral Sciences (SB)	3	☐			
BAS CORE: 15 CREDIT HOURS					
ABS 350: Applied Statistics (CS) OR STS 401: Statistics in Science and Technology Studies (CS)	3	☒			TMC 470 prerequisite is TMC 330.
GIT 335: Computer Systems Technology	3	☒			
TMC 330: Leading the Enterprise	3	☒			
TMC 470: Enterprise Planning and Implementation	3	☒			
Literacy and Critical Inquiry (L) AND TWC Upper Division Elective	3	☒			
CONCENTRATION: 21 CREDIT HOURS					
	3	☒			Students should work with an advisor to select concentration and coursework.
	3	☒			
	3	☒			
	3	☒			
	3	☒			
	3	☒			
	3	☒			
ASSIGNABLE CREDITS: 5 CREDIT HOURS*					
	2	☒			Students should work with an advisor for assistance in selecting assignable credits.
	3	☐			

BAS Graduation Requirements Summary:

This program allows students who have earned an Associate of Applied Science from a regionally accredited institution to transfer 60 or 75 credit hours toward a Bachelor of Applied Science at ASU. Students may opt to complete additional general studies course work at a community college to be eligible to transfer up to 75 credits towards the BAS.

- ☐ Total hours: 120 minimum
- ☐ ASU hours: 30 minimum
- ☐ 4-year institution hours: 45-60 minimum
- ☐ Upper division hours: 45 minimum
- ☐ Academic Recognition: 56 minimum
- ☐ GPA: 2.000 minimum
- ☐ Total hours transferred from community college: 60-75 maximum

General University Requirements: Legend

- General Studies Core Requirements:
 - o Literacy and Critical Inquiry (L)
 - o Mathematical Studies (MA)
 - o Computer/Statistics/Quantitative applications (CS)
 - o Humanities, Arts and Design (HU)
 - o Social-Behavioral Sciences (SB)
 - o Natural Science-Quantitative (SQ)
 - o Natural Science-General (SG)
- General Studies Awareness Requirements
 - o Cultural Diversity in the US (C)
 - o Global Awareness (G)
 - o Historical Awareness (H)
- First-Year Composition

2014 - 2015 Major Map Biomedical Engineering, BSE

Ira A. Fulton Schools of Engineering

Tempe campus
ESBMEBSE

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 114: General Chemistry for Engineers (SQ) or CHM 116: General Chemistry II (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 required of all students. • If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-BME: The ASU Experience	1	C	
 BME 100: Introduction to Biomedical Engineering	3	C	
BME 182: Biomedical Engineering Product Design and Development I	1	C	
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BME 111: Engineering Perspectives on Biological Systems	3	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
CSE 100: Principles of Programming with C++ (CS)	3	C	
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 267: Calculus for Engineers III (MA)	3	C	
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
 PHY 132: University Physics Laboratory II (SQ)	1	C	
BME 213: Biomedical and Bioengineering Ethics	1	C	
BME 214: FDA Regulatory Processes and Technical Communications	1	C	

BME 235: Physiology for Engineers	4	C
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) or ECN 213: null	3	
⚠ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

Term 4 48 - 62 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ BME 200: Conservation Principles in Bioengineering	3	C	
BME 282: Biomedical Engineering Product Design and Development II	1	C	
CHM 231: Elementary Organic Chemistry (SQ) OR CHM 233: General Organic Chemistry I	3	C	
CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 237: General Organic Chemistry Laboratory I	1	C	
EEE 202: Circuits I	4	C	
MAT 275: Modern Differential Equations (MA)	3	C	
⚠ Complete BME 111 AND BME 100 AND MAT 265 AND MAT 266 AND MAT 267 AND PHY 121 AND PHY 122 AND PHY 131 AND PHY 132 AND BME 200 AND CHM 114 OR CHM 116 course(s).			
Term hours subtotal:	15		

Term 5 63 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BME 300: Bioengineering Product Design	3	C	
BME 318: Biomaterials	4	C	
BME 322: Statistics for Biomedical Engineering	1	C	
BME 350: Signals and Systems for Bioengineers	3	C	
MAE 212: Engineering Mechanics	4	C	
Term hours subtotal:	15		

Term 6 78 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BME 370: Microcomputer Applications in Bioengineering	3	C	A list of approved related electives can be found online at: http://sbhse.engineering.asu.edu/academics/currentstudents/undergraduate/curriculum/
BME 301: Numerical Methods in Biomedical Engineering	2	C	
BME 331: Transport Phenomena for Biomedical Engineering	3	C	
BME 382: Biomedical Engineering Product Design and Development III	1	C	
CHE 342: Introduction to Applied Chemical Thermodynamics	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 7 93 - 106 Credit Hours		Hours	Minimum Grade	Notes
Necessary course signified by ★				
★ BME 417: Biomedical Engineering Capstone Design I (L)	4	C	• A list of approved related electives can be found online at: http://sbhse.engineering.asu.edu/academics/currentstudents/undergraduate/curriculum/	
BME 413: Biomedical Instrumentation (L) AND BME 423: Biomedical Instrumentation Laboratory (L)	4	C		
Upper Division Related Elective	3			
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3			
Term hours subtotal:	14			

Term 8 107 - 120 Credit Hours		Hours	Minimum Grade	Notes
Necessary course signified by ★				
★ BME 490: Biomedical Engineering Capstone Design II	4	C	• A list of approved related electives can be found at: http://sbhse.engineering.asu.edu/academics/currentstudents/undergraduate/curriculum/	
Upper Division Related Elective	4			
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3			
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3			
★ Complete BME 300 AND BME 370 AND BME 417 AND BME 490 course(s).				
Term hours subtotal:		14		

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Chemical Engineering, BSE

Ira A. Fulton Schools of Engineering

Tempe campus
ESCHEBSE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 FSE 100: Introduction to Engineering	2	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CHE: The ASU Experience	1		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1		
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHE 211: Introduction to Chemical Processing	3	C	
MAT 242: Elementary Linear Algebra	2		
MAT 275: Modern Differential Equations (MA)	3	C	
Bioscience Elective	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR			

Humanities, Arts and Design (HU) AND Global Awareness (G) OR
Humanities, Arts and Design (HU) AND Historical Awareness (H) 3

❗ Minimum 2.00 GPA ASU Cumulative.

❗ Complete FSE 100 AND CHM 113 AND ENG 101 OR ENG 107 OR
ENG 105 AND MAT 265 AND CHM 116 AND ENG 102 OR ENG 108
AND MAT 266 AND PHY 121 AND PHY 122 AND CHE 211 course(s).

Term hours subtotal: 14

Term 4 45 - 59 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ CHE 231: Introduction to Transport Phenomena I: Fluids	3	C	For a list of 2** Engineering Elective & Upper Division Advanced Chemistry/Biochemistry Technical Elective course options, please visit: http://engineering.asu.edu/semte/chemical_B.html.
❗ MAT 267: Calculus for Engineers III (MA)	3	C	
❗ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3		
2** Level Engineering Elective	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
CEE 384: Numerical Methods for Engineers (CS)	3	C	For a list of 2** Engineering Elective & Upper Division Advanced Chemistry/Biochemistry Technical Elective course options, please visit: http://engineering.asu.edu/semte/chemical_B.html.
★ CHE 334: Introduction to Transport Phenomena II: Heat and Mass Transfer	3	C	
★ CHE 342: Introduction to Applied Chemical Thermodynamics	3	C	
CHM 233: General Organic Chemistry I	3		
CHM 237: General Organic Chemistry Laboratory I	1		
Upper Division Advanced Chemistry/Biochemistry Technical Elective	3		
Term hours subtotal:	16		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHE 433: Modern Separations	3	C	
★ CHE 442: Introduction to Chemical Reactor Design	3	C	
CHE 352: Transport Laboratories (L)	3	C	
CHM 234: General Organic Chemistry II	3		
IEE 220: Business/Industrial Engr	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHE 432: Principles of Chemical Engineering Design	3	C	For a list of Upper Division Advanced Chemistry/Biochemistry Technical Elective
CHE 451: Chemical Engineering Laboratory II	3		

CHE 461: Process Dynamic Control (CS)	3
Upper Division Advanced Chemistry/Biochemistry Technical Elective	3
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3
Term hours subtotal:	15

course options, please visit:
http://engineering.asu.edu/semte/chemical_B.html.

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHE 462: Process Design (L)	3		For a list of CHE Upper Division Elective & Upper Division Natural Science or MSE Technical Elective course options, please visit: http://engineering.asu.edu/semte/chemical_B.html.
Upper Division CHE Upper Division Technical Elective	6		
Upper Division Natural Science or MSE Technical Elective	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

- For a list of 2** Engineering Electives, Upper Division Advanced Chemistry/Biochemistry Technical Electives, CHE Upper Division Electives, and Upper Division Natural Science or MSE Technical Elective course options please visit:
http://engineering.asu.edu/semte/chemical_B.html

Bioscience Elective
BCH 361: Advanced Principles of Biochemistry
BCH 461: General Biochemistry
BCH 463: Biophysical Chemistry
BIO 181: General Biology I (SQ)
BIO 182: General Biology II (SG)
BME 111: Engineering Perspectives on Biological Systems
CHE 475: Biochemical Engineering
MBB 245: Principles of Molecular and Cellular Biology I (SQ)
MBB 247: Principles of Molecular and Cellular Biology II
MIC 205: Microbiology (SG)
MIC 220: Biology of Microorganisms

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

Total Community College Hrs: 64
maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Civil Engineering, BSE

Ira A. Fulton Schools of Engineering

Tempe campus
ESCEEBSE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students and should be completed the first semester. • If ENG 105 is taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.
 FSE 100: Introduction to Engineering	2	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CEE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 242: Elementary Linear Algebra	2	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
CEE 181: Introduction to Sustainable Engineering: Technological, Social, and Sustainable Systems (HU)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CEE 210: Engineering Mechanics I: Statics	3	C	
 MAT 267: Calculus for Engineers III (MA)	3	C	

❗ MAT 275: Modern Differential Equations (MA)	3	C
❗ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
❗ PHY 132: University Physics Laboratory II (SQ)	1	C
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	
❗ Minimum 2.00 GPA ASU Cumulative.		
❗ Complete CEE 210 AND CHM 114 OR CHM 116 AND FSE 100 AND MAT 265 AND MAT 266 AND MAT 267 AND MAT 275 AND PHY 121 AND PHY 122 AND PHY 131 AND PHY 132 course(s).		
Term hours subtotal:	16	

Term 4 48 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ CEE 212: Engineering Mechanics II: Dynamics	3	C	
❗ CEE 213: Introduction to Deformable Solids	3	C	
BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) OR BME 111: Engineering Perspectives on Biological Systems OR CHM 231: Elementary Organic Chemistry (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ & G)	3		
EEE 202: Circuits I OR MAE 240: Thermofluids I	4		
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3		
Term hours subtotal:	16		

Term 5 64 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEE 321: Structural Analysis and Design	4	C	
CEE 351: Geotechnical Engineering	4	C	
CEE 353: Civil Engineering Materials	3	C	
CEE 384: Numerical Methods for Engineers (CS)	3	C	
Term hours subtotal:	14		

Term 6 78 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEE 361: Introduction to Environmental Engineering	4	C	
CEE 300: Engineering Business Practice (L)	3	C	
CEE 341: Fluid Mechanics for Civil Engineers	4	C	
CEE 372: Transportation Engineering	4	C	
Term hours subtotal:	15		

Term 7 93 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEE 400: Earth Systems Engineering and Management ((L or HU) & H)	3		• Technical Elective and Design Elective requirements: Complete a total of 2 design electives and 4 technical electives during Term 7 and Term 8.
Upper Division Design Elective	3	C	
Complete 3 courses: Upper Division Technical Elective	9	C	

Term hours subtotal: 15

See Advisor for guidance in selection.

Term 8 108 - 120 Credit Hours Necessary course signified by ★		Hours	Minimum Grade	Notes
★ CEE 486: Integrated Civil Engineering Design (L)		4	C	Technical Elective and Design Elective requirements: Complete a total of 2 design electives and 4 technical electives during Term 7 and Term 8. See Advisor for guidance in selection.
Upper Division Design Elective		3	C	
Upper Division Technical Elective		3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)		3		
Term hours subtotal:		13		

Technical Elective

CEE 281: Surveying

CEE 412: Pavement Analysis and Design

CEE 420: Steel Structures

CEE 421: Concrete Structures

CEE 423: Structural Design

CEE 432: Developing Software for Engineering Applications

CEE 440: Hydrology

CEE 441: Water Resources Engineering

CEE 452: Foundations

CEE 462: Unit Operations in Environmental Engineering

CEE 466: Urban Water System Design

CEE 467: Environmental Microbiology

CEE 474: Transportation Systems Planning

CEE 475: Highway Geometric Design

CEE 481: Civil Engineering Project Management

CEE 483: Highway Materials, Construction, and Quality

CON 453: Construction Project Management I

Design Elective

CEE 412: Pavement Analysis and Design

CEE 420: Steel Structures

CEE 421: Concrete Structures

CEE 441: Water Resources Engineering

CEE 452: Foundations

CEE 462: Unit Operations in Environmental Engineering

CEE 466: Urban Water System Design

CEE 475: Highway Geometric Design

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Civil Engineering (Environmental Engineering), BSE

Ira A. Fulton Schools of Engineering

Tempe campus
ESCEEBSE

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)		4		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students and should be completed the first semester. • If ENG 105 is taken, then a 3 hr applicable elective must also be taken prior to graduation. See Advisor.
 FSE 100: Introduction to Engineering		2	C	
 MAT 265: Calculus for Engineers I (MA)		3	C	
ASU 101-CEE: The ASU Experience		1		
CEE 181: Introduction to Sustainable Engineering: Technological, Social, and Sustainable Systems (HU)		3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:		16		
Term 2 17 - 31 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 MAT 242: Elementary Linear Algebra		2	C	
 MAT 266: Calculus for Engineers II (MA)		3	C	
 PHY 121: University Physics I: Mechanics (SQ)		3	C	
 PHY 122: University Physics Laboratory I (SQ)		1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G)		3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:		15		
Term 3 32 - 47 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 CEE 210: Engineering Mechanics I: Statics		3	C	
 MAT 267: Calculus for Engineers III (MA)		3	C	

⚠ MAT 275: Modern Differential Equations (MA)	3	C
⚠ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
⚠ PHY 132: University Physics Laboratory II (SQ)	1	C
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	
⚠ Minimum 2.00 GPA ASU Cumulative.		
⚠ Complete CSE 210 AND CHM 114 OR CHM 116 AND FSE 100 AND MAT 242 AND MAT 265 AND MAT 266 AND MAT 267 AND MAT 275 AND PHY 121 AND PHY 131 AND PHY 132 course(s).		
Term hours subtotal:	16	

Term 4 48 - 63 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ CEE 212: Engineering Mechanics II: Dynamics	3	C	
⚠ CEE 213: Introduction to Deformable Solids	3	C	
BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) OR BME 111: Engineering Perspectives on Biological Systems OR CHM 231: Elementary Organic Chemistry (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ & G)	3		
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3		
MAE 240: Thermofluids I	4		
Term hours subtotal:	16		

Term 5 64 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEE 341: Fluid Mechanics for Civil Engineers	4	C	
CEE 353: Civil Engineering Materials	3	C	
CEE 361: Introduction to Environmental Engineering	4	C	
CEE 384: Numerical Methods for Engineers (CS)	3	C	
Term hours subtotal:	14		

Term 6 78 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEE 321: Structural Analysis and Design	4	C	
CEE 300: Engineering Business Practice (L)	3	C	
CEE 351: Geotechnical Engineering	4	C	
CEE 372: Transportation Engineering	4	C	
Term hours subtotal:	15		

Term 7 93 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEE 467: Environmental Microbiology	3	C	
CEE 400: Earth Systems Engineering and Management ((L or HU) & H)	3	C	
CEE 440: Hydrology	3	C	
CEE 466: Urban Water System Design	3	C	

Technical Elective	3	C
Term hours subtotal:	15	

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEE 486: Integrated Civil Engineering Design (L)	4	C	
CEE 441: Water Resources Engineering	3	C	
CEE 462: Unit Operations in Environmental Engineering	3	C	
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	13		

Technical Elective
BCH 361: Advanced Principles of Biochemistry
BIO 320: Fundamentals of Ecology
CEE 281: Surveying
CEE 412: Pavement Analysis and Design
CEE 420: Steel Structures
CEE 421: Concrete Structures
CEE 452: Foundations
CEE 474: Transportation Systems Planning
CEE 475: Highway Geometric Design
CEE 481: Civil Engineering Project Management
CEE 483: Highway Materials, Construction, and Quality
CEE 499: Individualized Instruction
CHM 302: Environmental Chemistry
CHM 341: Elementary Physical Chemistry
PUP 442: Environmental Planning
CON 453: Construction Project Management I

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend
 General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

 First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Civil Engineering (Sustainable Engineering), BSE

Ira A. Fulton Schools of Engineering

Tempe campus
ESCEESUBSE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students and should be completed the first semester. • If ENG 105 is taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.
 FSE 100: Introduction to Engineering	2	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CEE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 242: Elementary Linear Algebra	2	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
CEE 181: Introduction to Sustainable Engineering: Technological, Social, and Sustainable Systems (HU)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 3 32 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CEE 210: Engineering Mechanics I: Statics	3	C	
 MAT 267: Calculus for Engineers III (MA)	3	C	

❗ MAT 275: Modern Differential Equations (MA)	3	C
❗ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
❗ PHY 132: University Physics Laboratory II (SQ)	1	C
Complete CEE 210 AND CHM 114 OR CHM 116 AND FSE 100 AND MAT 242 AND MAT 265 AND MAT 266 AND MAT 267 AND MAT 275 AND PHY 121 AND PHY 122 AND PHY 131 AND PHY 132 course(s).		
❗ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	13	

Term 4 45 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ CEE 212: Engineering Mechanics II: Dynamics	3	C	
❗ CEE 213: Introduction to Deformable Solids	3	C	
BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) OR BME 111: Engineering Perspectives on Biological Systems OR CHM 231: Elementary Organic Chemistry (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ & G)	3		
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
MAE 240: Thermofluids I	4		
Term hours subtotal:	16		

Term 5 61 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEE 361: Introduction to Environmental Engineering	4	C	
CEE 341: Fluid Mechanics for Civil Engineers	4	C	
CEE 353: Civil Engineering Materials	3	C	
CEE 384: Numerical Methods for Engineers (CS)	3	C	
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3		
Term hours subtotal:	17		

Term 6 78 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEE 321: Structural Analysis and Design	4	C	
CEE 300: Engineering Business Practice (L)	3	C	
CEE 351: Geotechnical Engineering	4	C	
CEE 372: Transportation Engineering	4	C	
Term hours subtotal:	15		

Term 7	93 - 107 Credit Hours	Necessary course signified by 🌟	Hours	Minimum Grade	Notes
🌟 CEE 400: Earth Systems Engineering and Management ((L or HU) & H)			3	C	• Design Elective requirements: See Advisor for guidance in selection.
SOS 300: Advanced Concepts and Integrated Approaches in Sustainability			3	C	
Complete 2 courses:					

Upper Division Design Elective	6	C
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G)	3	
Term hours subtotal:	15	

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CEE 486: Integrated Civil Engineering Design (L)	4	C	• Technical Elective requirements: See Advisor for guidance in selection.
CEE 485: Sustainable Civil and Environmental Systems Engineering	3	C	
Upper Division Technical Elective	3	C	
CEE 494: Sustainable Energy and Material Use	3		
Term hours subtotal:	13		

Design Electives

- CEE 412: Pavement Analysis and Design
- CEE 420: Steel Structures
- CEE 421: Concrete Structures
- CEE 441: Water Resources Engineering
- CEE 452: Foundations
- CEE 462: Unit Operations in Environmental Engineering
- CEE 466: Urban Water System Design
- CEE 475: Highway Geometric Design

Approved Technical Elective

- BIO 320: Fundamentals of Ecology
- CEE 281: Surveying
- CEE 412: Pavement Analysis and Design
- CEE 420: Steel Structures
- CEE 421: Concrete Structures
- CEE 452: Foundations
- CEE 462: Unit Operations in Environmental Engineering
- CEE 474: Transportation Systems Planning
- CEE 475: Highway Geometric Design
- CEE 481: Civil Engineering Project Management
- CEE 483: Highway Materials, Construction, and Quality
- CEE 494: Sustainable Energy and Material Use
- CEE 499: Individualized Instruction
- CHM 302: Environmental Chemistry

CHM 341: Elementary Physical
Chemistry

PUP 442: Environmental Planning

CON 453: Construction Project
Management I

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Computer Science, BS

Ira A. Fulton Schools of Engineering

Tempe campus
ESCSEBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	- An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses - ASU Math Placement Exam score determines placement in Mathematics course - ASU 101 or College specific equivalent First Year Seminar required of all freshman students and should be taken the first semester. - If ENG 105 is taken, a 3 credit hour applicable elective must also be taken prior to graduation. Contact CIDSE Advising.
FSE 100: Introduction to Engineering	2	C	
ASU 101-CSE: The ASU Experience	1		
 MAT 265: Calculus for Engineers I (MA)	3	C	
 CSE 110: Principles of Programming with Java (CS)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	- General Elective cannot include CSE, MAT, BIO, GLG, PHY, CHM or other science course. - Three (3) lab science classes are required. 2 of the 3 classes must be from the same subject area or discipline.
Lab Science Requirement AND Natural Science - Quantitative (SQ)	4		
General Elective	3		
 MAT 266: Calculus for Engineers II (MA)	3	C	
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Lab Science Requirement AND Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4		Three (3) lab science classes are required. 2 of the 3 classes must be from
 MAT 267: Calculus for Engineers III (MA)	3	C	

⚠ MAT 243: Discrete Mathematical Structures	3	C
⚠ CSE 120: Digital Design Fundamentals	3	C
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Complete Mathematics (MA) requirement.		
⚠ Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	16	

the same subject area or discipline.

Term 4 48 - 63 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
Lab Science Requirement AND Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4		Three (3) lab science classes are required. 2 of the 3 classes must be from the same subject area or discipline.
MAT 343: Applied Linear Algebra	3	C	
⚠ CSE 240: Introduction to Programming Languages	3	C	
⚠ CSE 230: Computer Organization and Assembly Language Programming	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Complete CSE 110 AND CSE 120 AND CSE 205 AND MAT 243 AND MAT 265 AND MAT 266 AND CSE 230 AND CSE 240 course(s).			
Term hours subtotal:	16		

Term 5 64 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
CSE 301: Computing Ethics	1	C	
★ CSE 310: Data Structures and Algorithms	3	C	
CSE 360: Introduction to Software Engineering	3	C	
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 6 80 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Technical Elective	3	C	Contact CIDSE Advising or visit the CIDSE website for the list of Technical Electives.
CSE 4** Elective	3	C	
CSE 355: Introduction to Theoretical Computer Science	3	C	
★ CSE 340: Principles of Programming Languages	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 7	95 - 108 Credit Hours	Necessary course signified by ★★	Hours	Minimum Grade	Notes
Complete 2 courses: CSE 4** Elective			6	C	• General Elective cannot include CSE, MAT, BIO, GLG, PHY, CHM or other science course.
General Elective			2		
★★	CSE 485: Computer Science Capstone Project I (L)		3	C	
	CSE 430: Operating Systems		3	C	
Term hours subtotal:			14		

Term 8	109 - 120 Credit Hours	Necessary course signified by 🌟	Hours	Minimum Grade	Notes
Upper Division Technical Elective			3	C	• Contact CIDSE Advising or visit the CIDSE website for the list of Technical Electives.
Complete 2 courses: CSE 4** Elective			6	C	
🌟 CSE 486: Computer Science Capstone Project II (L)			3	C	
Term hours subtotal:			12		

- Contact CIDSE Advising or visit the [CIDSE website](#) for the list of Technical Electives.

Lab Science Requirement

BIO 181: General Biology I (SQ)

BIO 182: General Biology II (SG)

CHM 113: General Chemistry I (SQ)

CHM 116: General Chemistry II (SQ)

GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)

GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)

PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)

PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Computer Science (Information Assurance), BS

Ira A. Fulton Schools of Engineering

Tempe campus
ESCSEIBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • If ENG 105 is taken, a 3 credit hour applicable elective must also be taken prior to graduation. Contact CIDSE Advising.
ASU 101-CSE: The ASU Experience	1		
FSE 100: Introduction to Engineering	2	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
 CSE 110: Principles of Programming with Java (CS)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• General Elective cannot include CSE, MAT, BIO, GLG, PHY, CHM or other science course. • Three (3) lab science classes are required. 2 of the 3 classes must be from the same subject area or discipline.
Lab Science Requirement AND Natural Science - Quantitative (SQ)	4		
General Elective	3		
 MAT 266: Calculus for Engineers II (MA)	3	C	
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Lab Science Requirement AND Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4		• Three (3) lab science classes are required. 2 of the 3 classes must be from the same subject area or discipline.
 MAT 267: Calculus for Engineers III (MA)	3	C	
 MAT 243: Discrete Mathematical Structures	3	C	

❗ CSE 120: Digital Design Fundamentals	3	C
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Complete Mathematics (MA) requirement.		
❗ Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	16	

Term 4 48 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
Lab Science Requirement AND Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4		Three (3) lab science classes are required. 2 of the 3 classes must be from the same subject area or discipline.
MAT 343: Applied Linear Algebra	3	C	
❗ CSE 240: Introduction to Programming Languages	3	C	
❗ CSE 230: Computer Organization and Assembly Language Programming	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
❗ Complete MAT 265 AND MAT 266 AND MAT 267 AND MAT 243 AND CSE 110 AND CSE 205 AND CSE 120 AND CSE 230 AND CSE 240 course(s).			
Term hours subtotal:	16		

Term 5 64 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
CSE 301: Computing Ethics	1	C	
★ CSE 310: Data Structures and Algorithms	3	C	
CSE 360: Introduction to Software Engineering	3	C	
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 6 80 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Technical Elective	3	C	Contact CIDSE Advising or visit the CIDSE website for the list of Technical Electives.
CSE 355: Introduction to Theoretical Computer Science	3	C	
★ CSE 340: Principles of Programming Languages	3	C	
CSE 430: Operating Systems	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Minimum

Term 7	95 - 108 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
	CSE 465: Information Assurance	3	C	• General Elective cannot include CSE, MAT, BIO, GLG, PHY, CHM or other science course. • Select Information Assurance course(s) from Major Map list below.
	<i>Complete 2 courses:</i> Upper Division Information Assurance Course	6	C	
★	CSE 485: Computer Science Capstone Project I (L)	3	C	
	General Elective	2		
	Term hours subtotal:	14		

Term 8	109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
	Upper Division Technical Elective	3	C	• Contact CIDSE Advising or visit the CIDSE website for the list of Technical Electives. • Select Information Assurance course and elective from Major Map lists below.
	Upper Division Information Assurance Course	3	C	
	Upper Division Information Assurance Elective	3	C	
★	CSE 486: Computer Science Capstone Project II (L)	3	C	
	Term hours subtotal:	12		

- Contact CIDSE Advising or visit the [CIDSE website](#) for the list of Technical Electives.

Lab Science Requirement

BIO 181: General Biology I (SQ)

BIO 182: General Biology II (SG)

CHM 116: General Chemistry II (SQ)

GLG 101: Introduction to Geology I (Physical) (SQ & G) AND GLG 103: Introduction to Geology I-Laboratory (SQ)

GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)

PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)

PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)

Information Assurance Courses (Select 3)

CSE 466: Computer Systems Security

CSE 467: Data and Information Security

CSE 468: Computer Network Security

CSE 469: Computer and Network Forensics

Information Assurance Elective (Select 1)

CSE 412: Database Management

CSE 434: Computer Networks

CSE 460: Software Analysis and Design

CSE 463: Introduction to Human
Computer Interaction

CSE 471: Introduction to Artificial
Intelligence

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Computer Science (Software Engineering), BS

Ira A. Fulton Schools of Engineering

Tempe campus
ESCSESBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU 101-CSE should be taken first semester. • If ENG 105 is taken, a 3 credit hour applicable elective must also be taken prior to graduation. Contact CIDSE Advising.
FSE 100: Introduction to Engineering	2	C	
ASU 101-CSE: The ASU Experience	1		
 MAT 265: Calculus for Engineers I (MA)	3	C	
 CSE 110: Principles of Programming with Java (CS)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• General Elective cannot include CSE, MAT, BIO, GLG, PHY, CHM or other science course. • Three (3) lab science classes are required. 2 of the 3 classes must be from the same subject area or discipline.
Lab Science Requirement AND Natural Science - Quantitative (SQ)	4		
General Elective	3		
 MAT 266: Calculus for Engineers II (MA)	3	C	
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Lab Science Requirement AND Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4		• Three (3) lab science classes are required. 2 of the 3 classes must be from
 MAT 267: Calculus for Engineers III (MA)	3	C	

⚠ MAT 243: Discrete Mathematical Structures	3	C
⚠ CSE 120: Digital Design Fundamentals	3	C
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Complete Mathematics (MA) requirement.		
⚠ Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	16	

the same subject area or discipline.

Term 4 48 - 63 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
Lab Science Requirement AND Natural Science - General (SG) or Natural Science - Quantitative (SQ)	4		Three (3) lab science classes are required. 2 of the 3 classes must be from the same subject area or discipline.
MAT 343: Applied Linear Algebra	3	C	
⚠ CSE 240: Introduction to Programming Languages	3	C	
⚠ CSE 230: Computer Organization and Assembly Language Programming	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
⚠ Complete MAT 265 AND MAT 266 AND MAT 267 AND MAT 243 AND CSE 110 AND CSE 205 AND CSE 120 AND CSE 230 AND CSE 240 course(s).			
Term hours subtotal:	16		

Term 5 64 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
CSE 301: Computing Ethics	1	C	
★ CSE 310: Data Structures and Algorithms	3	C	
CSE 360: Introduction to Software Engineering	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	16		

Term 6 80 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Technical Elective	3	C	Contact CIDSE Advising or visit the CIDSE website for the list of Technical Electives.
CSE 445: Distributed Software Development	3	C	
CSE 355: Introduction to Theoretical Computer Science	3	C	
★ CSE 340: Principles of Programming Languages	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 7 95 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
CSE 464: Software Quality Assurance and Testing	3	C	General Elective cannot include CSE, MAT, BIO, GLG, PHY, CHM or other science course.
CSE 460: Software Analysis and Design	3	C	
General Elective	2		
★ CSE 485: Computer Science Capstone Project I (L)	3	C	
CSE 430: Operating Systems	3	C	
Term hours subtotal:	14		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Technical Elective	3	C	Contact CIDSE Advising or visit the CIDSE website for the list of Technical Electives.
CSE 446: Software Integration and Engineering	3	C	
CSE 463: Introduction to Human Computer Interaction OR CSE 465: Information Assurance OR CSE 466: Computer Systems Security OR CSE 467: Data and Information Security OR CSE 468: Computer Network Security	3	C	
★ CSE 486: Computer Science Capstone Project II (L)	3	C	
Term hours subtotal:	12		

- Contact CIDSE Advising or visit the [CIDSE website](#) for the list of Technical Electives.

Lab Science Requirement

BIO 181: General Biology I (SQ)

BIO 182: General Biology II (SG)

CHM 113: General Chemistry I (SQ)

CHM 116: General Chemistry II (SQ)

GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)

GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)

PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)

PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Computer Systems Engineering, BSE

Ira A. Fulton Schools of Engineering

Tempe campus
ESCSEBSE

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students and should be taken the first semester • If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See Advisor.
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CSE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	• Select BIO or CHM from Major Map list below.
 MAT 266: Calculus for Engineers II (MA)	3	C	
Biology or Chemistry Course	4		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 120: Digital Design Fundamentals	3	C	
 MAT 243: Discrete Mathematical Structures	3	C	

❗ MAT 267: Calculus for Engineers III (MA)	3	C
PHY 121: University Physics I: Mechanics (SQ)	3	C
PHY 122: University Physics Laboratory I (SQ)	1	C
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
❗ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

Term 4 48 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ CSE 220: Programming for Computer Engineering	3	C	
❗ CSE 230: Computer Organization and Assembly Language Programming	3	C	
MAT 275: Modern Differential Equations (MA)	3	C	
PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
PHY 132: University Physics Laboratory II (SQ)	1	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
❗ Complete MAT 265 AND MAT 266 AND MAT 267 AND MAT 243 AND CSE 110 AND CSE 205 AND CSE 120 AND CSE 220 AND CSE 230 course(s).			
Term hours subtotal:	16		

Term 5 64 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSE 310: Data Structures and Algorithms	3	C	
CSE 301: Computing Ethics	1	C	
CSE 320: Design and Synthesis of Digital Hardware	3	C	
EEE 202: Circuits I	4	C	
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
Term hours subtotal:	14		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSE 325: Embedded Microprocessor Systems	3	C	
CSE 360: Introduction to Software Engineering	3	C	
EEE 334: Circuits II	4	C	
MAT 343: Applied Linear Algebra	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ CSE 423: Systems Capstone Project I (L)	3	C	• Contact CIDSE Advising or visit the CIDSE website for list of Technical Electives. Maximum 6 hours at the 300-level.
CSE 430: Operating Systems	3	C	
CSE 434: Computer Networks	3	C	
Complete 2 courses: Upper Division CSE Technical Elective	6	C	
Term hours subtotal:		15	

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSE 424: Systems Capstone Project II (L)	3	C	• Contact CIDSE Advising or visit the CIDSE website for list of Technical Electives. Maximum 6 hours at the 300-level.
CSE 420: Computer Architecture I	3	C	
Complete 2 courses: Upper Division CSE Technical Elective	6	C	
Term hours subtotal:		12	

- Contact CIDSE Advising or visit the [CIDSE website](#) for list of Technical Electives. Maximum 6 hours at the 300-level.

Biology or Chemistry Courses

BIO 181: General Biology I (SQ)

BIO 182: General Biology II (SG)

CHM 113: General Chemistry I (SQ)

CHM 116: General Chemistry II (SQ)

CHM 114: General Chemistry for Engineers (SQ)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Computer Systems Engineering (Information Assurance), BSE

Ira A. Fulton Schools of Engineering

Tempe campus
ESCSEIBSE

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	• An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU 101-CSE should be completed first semester. • If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. See Advisor.
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CSE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	• Select BIO or CHM from Major Map list below.
 MAT 266: Calculus for Engineers II (MA)	3	C	
Biology or Chemistry Course	4		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 120: Digital Design Fundamentals	3	C	
 MAT 243: Discrete Mathematical Structures	3	C	

❗ MAT 267: Calculus for Engineers III (MA)	3	C
PHY 121: University Physics I: Mechanics (SQ)	3	C
PHY 122: University Physics Laboratory I (SQ)	1	C
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
❗ Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

Term 4 48 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ CSE 220: Programming for Computer Engineering	3	C	
❗ CSE 230: Computer Organization and Assembly Language Programming	3	C	
MAT 275: Modern Differential Equations (MA)	3	C	
PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
PHY 132: University Physics Laboratory II (SQ)	1	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
❗ Complete MAT 265 AND MAT 266 AND MAT 267 AND MAT 243 AND CSE 110 AND CSE 205 AND CSE 120 AND CSE 230 AND CSE 220 course(s).			
Term hours subtotal:	16		

Term 5 64 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSE 310: Data Structures and Algorithms	3	C	
CSE 301: Computing Ethics	1	C	
CSE 320: Design and Synthesis of Digital Hardware	3	C	
EEE 202: Circuits I	4	C	
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
Term hours subtotal:	14		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSE 325: Embedded Microprocessor Systems	3	C	
CSE 360: Introduction to Software Engineering	3	C	
EEE 334: Circuits II	4	C	
MAT 343: Applied Linear Algebra	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ CSE 423: Systems Capstone Project I (L)	3	C
CSE 434: Computer Networks	3	C
CSE 465: Information Assurance	3	C
Upper Division Information Assurance	6	C
Term hours subtotal:	15	

- Select Information Assurance course from Major Map list below.

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CSE 424: Systems Capstone Project II (L)	3	C	• Select Information Assurance course from Major Map list below.
CSE 420: Computer Architecture I	3	C	
CSE 430: Operating Systems	3	C	
Upper Division Information Assurance	3	C	
Term hours subtotal:	12		

Biology or Chemistry Courses

BIO 181: General Biology I (SQ)

BIO 182: General Biology II (SG)

CHM 113: General Chemistry I (SQ)

CHM 116: General Chemistry II (SQ)

CHM 114: General Chemistry for Engineers (SQ)

Information Assurance Courses (Select 3)

CSE 466: Computer Systems Security

CSE 467: Data and Information Security

CSE 468: Computer Network Security

CSE 469: Computer and Network Forensics

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Construction Engineering, BSE

Ira A. Fulton Schools of Engineering

Tempe campus
ESCONBSE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 FSE 100: Introduction to Engineering	2	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent required of all freshman students • ASU 101-CON should be completed the first semester. • If ENG 105 is taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-CON: The ASU Experience	1		
 CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 242: Elementary Linear Algebra	2	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
CON 101: Construction and Culture: a Built Environment (HU & H & G)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CNE 210: Engineering Mechanics I: Statics	3	C	
 MAT 267: Calculus for Engineers III (MA)	3	C	

❗ MAT 275: Modern Differential Equations (MA)	3	C
❗ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
❗ PHY 132: University Physics Laboratory II (SQ)	1	C
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	
❗ Minimum 2.00 GPA ASU Cumulative.		
❗ Complete CHM 114 AND FSE 100 AND MAT 265 AND MAT 242 AND MAT 266 AND PHY 121 AND PHY 122 AND CEE 210 AND MAT 267 AND PHY 131 AND PHY 132 AND MAT 275 course(s).		
Term hours subtotal:	16	

Term 4 48 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ CNE 212: Engineering Mechanics II: Dynamics	3	C	
❗ CNE 213: Introduction to Deformable Solids	3	C	
❗ CNE 243: Heavy Construction Equipment, Methods and Materials	3		
CNE 271: Construction Safety	3		
EEE 202: Circuits I OR MAE 240: Thermofluids I	4		
Term hours subtotal:	16		

Term 5 64 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3		
BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) OR BME 111: Engineering Perspectives on Biological Systems OR CHM 231: Elementary Organic Chemistry (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ & G)	3-4		
CNE 353: Civil Engineering Materials	3		
★ CNE 321: Structural Analysis and Design	4		
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16-17		

Term 6 80 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CNE 383: Construction Estimating	4		
CNE 351: Geotechnical Engineering	4		
CNE 241: Surveying	3		
CNE 400: Earth Systems Engr & Mgmt ((L or HU) & H)	3		
Term hours subtotal:	14		

Summer 6 94 - 94 Credit Hours	Hours	Minimum Grade	Notes
CNE 484: Internship	1		
Term hours subtotal:	1		

Term 7 95 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CNE 453: Construction Project Management I	3		• Technical Elective and Design Elective requirements: Complete a total of 2 design electives. • Technical Elective(s) must add up to 4 hours. Students can either take one class at 4 hours or take two courses at 3 hours and 1 hour.
Upper Division Design Elective	3	C	
Upper Division Technical Elective	3	C	
Technical Elective	1	C	
CNE 495: Construction Planning and Scheduling (CS)	3		
Term hours subtotal:	13		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
CON 496: Construction Contract Administration (L)	3		• Technical Elective and Design Elective requirements: Complete a total of 2 design electives.
Upper Division Design Elective	3	C	
★ CNE 486: Integrated Civil Engineering Design (L)	4		
CON 455: Construction Project Management II	3		
Term hours subtotal:	13		

Design Elective
CEE 420: Steel Structures
CEE 421: Concrete Structures
CEE 452: Foundations
Technical Elective
CEE 372: Transportation Engineering
CEE 412: Pavement Analysis and Design
CEE 420: Steel Structures
CEE 421: Concrete Structures
CEE 423: Structural Design
CEE 432: Developing Software for Engineering Applications
CEE 440: Hydrology
CEE 441: Water Resources Engineering
CEE 452: Foundations
CEE 462: Unit Operations in Environmental Engineering
CEE 466: Urban Water System Design
CEE 467: Environmental Microbiology
CEE 474: Transportation Systems Planning
CEE 475: Highway Geometric Design
CEE 481: Civil Engineering Project Management

CEE 483: Highway Materials,
Construction, and Quality

CEE 494: Concrete Canoe Design

CEE 494: Steel Bridge Design

CON 296: Field Internship

CON 310: Testing of Materials for
Construction

CON 345: Mechanical Systems

CON 494: Trenchless Construction Mth

CON 494: Alt Project Delivery Mthds

CON 448: Sustainable Construction

CON 494: Sustainability in Construction

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Construction Management, BS

Ira A. Fulton Schools of Engineering
Tempe campus
ESCONMGTBBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CON 100: Introduction to Construction	2	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman student and should be taken the first semester.
CON 101: Construction and Culture: a Built Environment (HU & H & G)	3	C	
 CON 252: Building Construction Methods, Materials, and Equipment	3	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 170: Precalculus (MA)	3	C	
ASU 101-CON: The ASU Experience	1		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 2 16 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3		
 CON 244: Working Drawing Analysis	2	C	
 PHY 111: General Physics (SQ)	3	C	
 PHY 113: General Physics Laboratory (SQ)	1	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CON 221: Applied Statics	2	C	
 CON 243: Heavy Construction Equipment, Methods, and Materials	3	C	
 CON 251: Microcomputer Applications for Construction	3	C	
ECN 211: Macroeconomic Principles (SB)	3		
 STP 226: Elements of Statistics (CS)	3		

⚠ Minimum 2.00 GPA ASU Cumulative.

Complete COM 225 AND CON 100 AND CON 221 AND CON 243 AND
CON 244 AND CON 251 AND CON 252 AND ECN 212 AND ENG 102
AND MAT 170 AND PHY 111 AND PHY 113 AND STP 226 course(s).

Term hours subtotal: 14

Term 4 45 - 59 Credit Hours **Critical course signified by** ⚠

Hours	Minimum Grade	Notes

⚠ CON 223: Strength of Materials

2 C

CON 241: Surveying

3 C

⚠ CON 271: Construction Safety

3 C

CON 273: Electrical Construction Fundamentals and Project Management

3 C

Natural Science - Quantitative (SQ) OR
Natural Science - General (SG)

4

Term hours subtotal: 15

Summer 4 60 - 60 Credit Hours

Hours	Minimum Grade	Notes

CON 296: Field Internship

1 C

Term hours subtotal: 1

Term 5 61 - 74 Credit Hours

Hours	Minimum Grade	Notes

CON 310: Testing of Materials for Construction

4

CON 383: Construction Estimating

4

MGT 380: Management and Strategy for Nonmajors

3

ACC 382: Accounting and Financial Analysis

3

Term hours subtotal: 14

Term 6 75 - 89 Credit Hours

Hours	Minimum Grade	Notes

CON 495: Construction Planning and Scheduling (CS)

3

LES 305: Business Law and Ethics for Managers

3

Upper Division Humanities, Arts and Design (HU) OR
Upper Division Social-Behavioral Sciences (SB)

3

ECN 212: Microeconomic Principles (SB)

3

CON 345: Mechanical Systems

3

Term hours subtotal: 15

Summer 6 90 - 90 Credit Hours

Hours	Minimum Grade	Notes

CON 484: Internship

1

Term hours subtotal: 1

Term 7 91 - 105 Credit Hours **Necessary course signified by** ★

Hours	Minimum Grade	Notes

★ CON 450: Geotechnical Applications for Construction

3

CON 453: Construction Project Management I	3
CON Upper Division Elective	6
Upper Division Elective	3
Term hours subtotal:	15

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CON 424: Structural Design	3		
CON 455: Construction Project Management II	3		
CON 496: Construction Contract Administration (L)	3		
CON Upper Division Elective	6		
Term hours subtotal:	15		

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Electrical Engineering, BSE

Ira A. Fulton Schools of Engineering
ESEEBSE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students and should be taken the first semester. • If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.
ASU 101-EEE: The ASU Experience	1		
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
CSE 100: Principles of Programming with C++ (CS)	3		
FSE 100: Introduction to Engineering	2		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
EEE 120: Digital Design Fundamentals	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 33 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EEE 202: Circuits I	4		
MAT 267: Calculus for Engineers III (MA)	3	C	

MAT 274: Elementary Differential Equations (MA) OR MAT 275: Modern Differential Equations (MA)	3	C
PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
PHY 132: University Physics Laboratory II (SQ)	1	C
 Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14	

Term 4 47 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EEE 203: Signals and Systems I	3		
 EEE 241: Fundamentals of Electromagnetics	3		
MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
PHY 241: University Physics III	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 5 62 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EEE 334: Circuits II	4		
EEE 230: Computer Organization and Assembly Language Programming	3		
EEE 350: Random Signal Analysis	3		
Upper Division Area Pathway Course	4		
Term hours subtotal:	14		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Area Pathway Course	12		
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EEE 488: Senior Design Laboratory I (L)	3		
BIO OR CHM OR PHY OR MAT OR BME OR CEE OR CHE OR CPI OR CSE OR FSE OR IEE OR MAE OR MSE Upper Division Elective OR Upper Division Technical Elective	3		
Complete 2 courses: Upper Division Technical Elective	6		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	EEE 489: Senior Design Laboratory II (L)		3		
	Complete 3 courses: Upper Division Technical Elective		9		
	Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)		3		
	Term hours subtotal:		15		

Technical Electives

EEE 404: Real-Time DSP Systems

EEE 407: Digital Signal Processing

EEE 425: Digital Systems and Circuits

EEE 433: Analog Integrated Circuits

EEE 434: Quantum Mechanics for Engineers

EEE 435: Fundamentals of CMOS and MEMS

EEE 436: Fundamentals of Solid-State Devices

EEE 437: Optoelectronics

EEE 439: Semiconductor Facilities and Cleanroom Practices

EEE 443: Antennas for Wireless Communications

EEE 445: Microwaves

EEE 448: Fiber Optics

EEE 455: Communication Systems

EEE 459: Communication Networks

EEE 460: Nuclear Power Engineering

EEE 463: Electrical Power Plants

EEE 470: Electric Power Devices

EEE 471: Power System Analysis

EEE 472: Power Electronics and Power Management

EEE 473: Electrical Machinery

EEE 480: Feedback Systems

EEE 481: Computer-Controlled Systems

Area Pathway Course

EEE 304: Signals and Systems II

EEE 333: Hardware Design Languages and Programmable Logic

EEE 335: Analog and Digital Circuits

EEE 341: Engineering Electromagnetics

Notes:

- Accredited by the Engineering Accreditation Commission of ABET, <http://www.abet.org/>.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Electrical Engineering, BSE

Ira A. Fulton Schools of Engineering

Online

ESEEBSE

Term 1 - A 1 - 6 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	MAT 265: Calculus for Engineers I (MA)	3	C	• An SAT, ACT, Accuplacer or TOEFL score determines placement into first-year composition courses • ASU Mathematics Placement Test score determines placement in Mathematics course • ASU 101 or College specific equivalent First-Year Seminar required of all freshman students
	ASU 101-EEE: The ASU Experience	1		
	FSE 100: Introduction to Engineering	2		
	Term hours subtotal:	6		
Term 1 - B 7 - 12 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	MAT 266: Calculus for Engineers II (MA)	3	C	
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
	Term hours subtotal:	6		
Term 2 - A 13 - 20 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	PHY 121: University Physics I: Mechanics (SQ)	3	C	
	PHY 122: University Physics Laboratory I (SQ)	1	C	
	CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
	Term hours subtotal:	8		
Term 2 - B 21 - 26 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
	MAT 267: Calculus for Engineers III (MA)	3	C	
	Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
	Term hours subtotal:	6		

Term 3 - A 27 - 33 Credit Hours	Hours	Minimum Grade	Notes
EEE 120: Digital Design Fundamentals	3		
PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
PHY 132: University Physics Laboratory II (SQ)	1	C	
Term hours subtotal:	7		

Term 3 - B 34 - 39 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
CSE 100: Principles of Programming with C++ (CS)	3		
MAT 274: Elementary Differential Equations (MA) OR MAT 275: Modern Differential Equations (MA)	3	C	
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 40 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EEE 202: Circuits I	4		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	7		

Term 4 - B 47 - 52 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EEE 241: Fundamentals of Electromagnetics	3		
MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
Term hours subtotal:	6		

Term 5 - A 53 - 58 Credit Hours	Hours	Minimum Grade	Notes
PHY 241: University Physics III	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 5 - B 59 - 65 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EEE 334: Circuits II	4		
EEE 203: Signals and Systems I	3		
Term hours subtotal:	7		

Term 6 - A 66 - 72 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EEE 350: Random Signal Analysis	3		
Upper Division Area Pathway Course	4		
Term hours subtotal:	7		

Term 6 - B 73 - 78 Credit Hours	Hours	Minimum Grade	Notes
EEE 230: Computer Organization and Assembly Language Programming	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		
Term 7 - A 79 - 85 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Area Pathway Course	4		
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Term hours subtotal:	7		
Term 7 - B 86 - 92 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Area Pathway Course	4		
Upper Division Technical Elective	3		
Term hours subtotal:	7		
Term 8 - A 93 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EEE 488: Senior Design Laboratory I (L)	3		
Upper Division Area Pathway Course	4		
Term hours subtotal:	7		
Term 8 - B 100 - 105 Credit Hours	Hours	Minimum Grade	Notes
BIO OR CHM OR PHY OR MAT OR BME OR CEE OR CHE OR CPI OR CSE OR FSE OR IEE OR MAE OR MSE Upper Division Elective OR Upper Division Technical Elective	3		
Upper Division Technical Elective	3		
Term hours subtotal:	6		
Term 9 - A 106 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EEE 489: Senior Design Laboratory II (L)	3		
Upper Division Technical Elective	3		
Term hours subtotal:	6		
Term 9 - B 112 - 117 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Technical Elective	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		
Term 10 - A 118 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

- Major maps are built based on full-time enrollment, but can be adjusted as necessary for part-time attendance.

Technical Electives

EEE 404: Real-Time DSP Systems

EEE 407: Digital Signal Processing

EEE 425: Digital Systems and Circuits

EEE 433: Analog Integrated Circuits

EEE 434: Quantum Mechanics for Engineers

EEE 435: Fundamentals of CMOS and MEMS

EEE 436: Fundamentals of Solid-State Devices

EEE 437: Optoelectronics

EEE 439: Semiconductor Facilities and Cleanroom Practices

EEE 443: Antennas for Wireless Communications

EEE 445: Microwaves

EEE 448: Fiber Optics

EEE 455: Communication Systems

EEE 459: Communication Networks

EEE 460: Nuclear Power Engineering

EEE 463: Electrical Power Plants

EEE 470: Electric Power Devices

EEE 471: Power System Analysis

EEE 472: Power Electronics and Power Management

EEE 473: Electrical Machinery

EEE 480: Feedback Systems

EEE 481: Computer-Controlled Systems

Area Pathway Course

EEE 304: Signals and Systems II

EEE 333: Hardware Design Languages and Programmable Logic

EEE 335: Analog and Digital Circuits

EEE 341: Engineering Electromagnetics

EEE 352: Properties of Electronic Materials

EEE 360: Energy Systems and Power Electronics

.....

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Electrical Engineering (Electric Power and Energy Systems), BSE

Ira A. Fulton Schools of Engineering

Tempe campus
ESEEPBSE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students and should be taken the first semester. • If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.
ASU 101-EEE: The ASU Experience	1		
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
CSE 100: Principles of Programming with C++ (CS)	3		
FSE 100: Introduction to Engineering	2		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
EEE 120: Digital Design Fundamentals	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) or Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 3 33 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EEE 202: Circuits I	4		
MAT 267: Calculus for Engineers III (MA)	3	C	

MAT 274: Elementary Differential Equations (MA) OR MAT 275: Modern Differential Equations (MA)	3	C
PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
PHY 132: University Physics Laboratory II (SQ)	1	C
 Minimum 2.00 GPA ASU Cumulative.		
Complete Mathematics (MA) requirement.		

Term hours subtotal: 14

Term 4 47 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EEE 203: Signals and Systems I	3		
 EEE 241: Fundamentals of Electromagnetics	3		
MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
PHY 241: University Physics III	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) or Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 5 62 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EEE 334: Circuits II	4		
EEE 230: Computer Organization and Assembly Language Programming	3		
EEE 350: Random Signal Analysis	3		
EEE 360: Energy Systems and Power Electronics	4		
Term hours subtotal:	14		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Complete 3 courses: Upper Division Area Pathway Course	12		
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EEE 488: Senior Design Laboratory I (L)	3		
BIO OR CHM OR PHY OR MAT OR BME OR CEE OR CHE OR CPI OR CSE OR FSE OR IEE OR MAE OR MSE Upper Division Elective OR Upper Division Technical Elective	3		
Upper Division Power Technical Electives	6		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ EEE 489: Senior Design Laboratory II (L)	3
Upper Division Power Technical Electives	3
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3
Upper Division Power Technical Electives OR Upper Division Technical Elective	6
Term hours subtotal:	15

Technical Electives

EEE 404: Real-Time DSP Systems

EEE 407: Digital Signal Processing

EEE 425: Digital Systems and Circuits

EEE 433: Analog Integrated Circuits

EEE 434: Quantum Mechanics for
Engineers

EEE 435: Fundamentals of CMOS and
MEMS

EEE 436: Fundamentals of Solid-State
Devices

EEE 437: Optoelectronics

EEE 439: Semiconductor Facilities and
Cleanroom Practices

EEE 443: Antennas for Wireless
Communications

EEE 445: Microwaves

EEE 448: Fiber Optics

EEE 455: Communication Systems

EEE 459: Communication Networks

EEE 460: Nuclear Power Engineering

EEE 463: Electrical Power Plants

EEE 470: Electric Power Devices

EEE 471: Power System Analysis

EEE 472: Power Electronics and Power
Management

EEE 473: Electrical Machinery

EEE 480: Feedback Systems

EEE 481: Computer-Controlled Systems

Power Technical Electives

EEE 460: Nuclear Power Engineering

EEE 463: Electrical Power Plants

EEE 470: Electric Power Devices

EEE 471: Power System Analysis

EEE 472: Power Electronics and Power
Management

EEE 473: Electrical Machinery

Area Pathway Course

EEE 304: Signals and Systems II

EEE 333: Hardware Design Languages
and Programmable Logic

EEE 335: Analog and Digital Circuits

EEE 341: Engineering Electromagnetics

EEE 352: Properties of Electronic
Materials

EEE 360: Energy Systems and Power
Electronics

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Engineering, BSE

Ira A. Fulton Schools of Engineering

Polytechnic campus
TSEGRBSE

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • CTI 101 required of all freshman students
 CTI 101: Success in Technology & Innovation	1		
 EGR 101: Foundations of Engineering Design Project I	3		
 MAT 265: Calculus for Engineers I (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	14		

Term 2 15 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		• Please note that both PHY 121 and PHY 122 must be taken to secure SQ General Studies credit.
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3		
EGR 104: Critical Inquiry in Engineering (L)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3		
 EGR 216: Engineering Electrical Fundamentals	3		
 EGR 218: Materials and Manufacturing Processes	3		
 MAT 267: Calculus for Engineers III (MA)	3	C	
EGR 280: Engineering Statistics (CS)	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 59 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EGR 202: Use-Inspired Design Project II	3		
 EGR 217: Engineering Mechanics Fundamentals	3		
EGR 219: Computational Modeling of Engineering Systems	3		
MAT 275: Modern Differential Equations (MA)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		
Term 5 60 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
HST 318: History of Engineering ((L or SB) & G)	3		A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 6 must be upper division, which form a coherent theme. Students may use a second primary focus track for their Secondary Focus requirement.
 Upper Division Primary Focus Area	3		
BIO 181: General Biology I (SQ) OR CHM 116: General Chemistry II (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ & G) AND GLG 103: Introduction to Geology I-Laboratory (SQ) OR PHY 122: University Physics Laboratory I (SQ) OR PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) OR BIO 182: General Biology II (SG)	4		
Secondary Focus Area	3		
 Upper Division Primary Focus Area - Project I	3		
Term hours subtotal:	16		
Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Primary Focus Area	3		A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 6 must be upper division, which form a coherent theme. Students may use a second primary focus track for their Secondary Focus requirement.
MAT 343: Applied Linear Algebra	3		
Secondary Focus Area	3		
Social-Behavioral Sciences (SB)	3		
 Upper Division Primary Focus Area - Project II	3		
Term hours subtotal:	15		
Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EGR 401: Professional Design Project I (L)	3		A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 6 must be upper division, which form a coherent theme. Students may use a second primary focus track for their Secondary Focus requirement.
 Upper Division Primary Focus Area	3		
PHY 321: Vector Mechanics and Vibration OR PHY 331: Principles of Modern Electromagnetism OR ERM 406: Environmental Chemistry	3		
Upper Division Secondary Focus Area	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 402: Professional Design Project II	3		A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 6 must be upper division, which form a coherent theme. Students may use a second primary focus track for their Secondary Focus requirement.
Complete 2 courses: Upper Division Primary Focus Area	6		
Upper Division Secondary Focus Area	3		
Upper Division Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Upper Division Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

- Students select both a primary and secondary focus area. Primary focus areas are available from options selected by the faculty.
- Upon selection of a primary focus area, students must complete their respective Primary Focus Area Project courses prior to Term 7.
- A secondary focus area is a group of courses comprising of 12 or more credit hours which form a coherent theme. Students may use a second primary focus track for their Secondary Focus requirement.

Primary Focus Area: Automotive

EGR 306: Automotive Systems Project I
AND EGR 316: Automotive Systems
Project II

EGR 330: Design of Electrical Systems or
EGR 432: Engineering Thermo-Fluids II

EGR 340: Engineering Thermo-Fluids I

EGR 363: Automotive Powertrains and
Thermal Systems

EGR 463: Vehicle Electrical Systems &
Hybrid Systems

EGR 465: Ground Vehicle Dynamics

Primary Focus Area: Environmental Systems

EGR 310: Environmental Systems Project
I AND EGR 312: Environmental Systems
Project II

EGR 321: Water Resource Systems

EGR 325: Water and Wastewater
Treatment

EGR 426: Integrated Solid Waste Systems

EGR 427: Principles of Hazardous Waste
and Materials

Upper Division EGR or Upper Division
ERM

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

Total Community College Hrs: 64
maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Engineering (Automotive Systems), BSE

Ira A. Fulton Schools of Engineering

Polytechnic campus

TSEGRASBSE

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • CTI 101 required of all freshman students
 CTI 101: Success in Technology & Innovation	1		
 EGR 101: Foundations of Engineering Design Project I	3		
 MAT 265: Calculus for Engineers I (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	14		

Term 2 15 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		• Please note that both PHY 121 and PHY 122 must be taken to secure SQ General Studies credit.
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3		
EGR 104: Critical Inquiry in Engineering (L)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3		
 EGR 216: Engineering Electrical Fundamentals	3		
 EGR 218: Materials and Manufacturing Processes	3		
 MAT 267: Calculus for Engineers III (MA)	3	C	
EGR 280: Engineering Statistics (CS)	3		
Term hours subtotal:	15		

Term 4	45 - 59 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
	EGR 202: Use-Inspired Design Project II	3		
	EGR 217: Engineering Mechanics Fundamentals	3		
	EGR 219: Computational Modeling of Engineering Systems	3		
	MAT 275: Modern Differential Equations (MA)	3		
	Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
	Term hours subtotal:	15		
Term 5	60 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
	EGR 306: Automotive Systems Project I	3		
	EGR 340: Engineering Thermo-Fluids I	3		
	HST 318: History of Engineering ((L or SB) & G)	3		
	Science Elective AND Natural Science - Quantitative (SQ)	4		
	Secondary Focus Area	3		
	Term hours subtotal:	16		
Term 6	76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
	EGR 316: Automotive Systems Project II	3		
	EGR 363: Automotive Powertrains and Thermal Systems	3		
	MAT 343: Applied Linear Algebra	3		
	Secondary Focus Area	3		
	Social-Behavioral Sciences (SB)	3		
	Term hours subtotal:	15		
Term 7	91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
	EGR 330: Design of Electrical Systems OR EGR 432: Engineering Thermo-Fluids II	3		
	EGR 401: Professional Design Project I (L)	3		
	PHY 321: Vector Mechanics and Vibration	3		
	Upper Division Secondary Focus Area	3		
	Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
	Term hours subtotal:	15		
Term 8	106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
	EGR 402: Professional Design Project II	3		
	EGR 463: Vehicle Electrical Systems & Hybrid Systems	3		
	EGR 465: Ground Vehicle Dynamics	3		
	Upper Division Secondary Focus Area	3		

Term hours subtotal: 15

- A secondary focus area is a group of courses comprising of 12 or more credit hours which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area.
- Students must select 4 hours of Science Elective from the listed courses.

Science Elective

BIO 181: General Biology I (SQ)

CHM 116: General Chemistry II (SQ)

GLG 101: Introduction to Geology I
(Physical) (SQ)GLG 103: Introduction to Geology
I-Laboratory (SQ)PHY 122: University Physics Laboratory I
(SQ)PHY 131: University Physics II:
Electricity and Magnetism (SQ)PHY 132: University Physics Laboratory
II (SQ)**Total Hours:** 120**Upper Division Hours:** 45 minimum**Major GPA:** 2.00 minimum**Cumulative GPA:** 2.00 minimum**Total hrs at ASU:** 30 minimum**Hrs Resident Credit for****Academic Recognition:** 56 minimum**Total Community College Hrs:** 64
maximum**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Engineering (Electrical Systems), BSE

Ira A. Fulton Schools of Engineering

Polytechnic campus
TSEGRESBSE

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
CHM 113: General Chemistry I (SQ)	4		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • CTI 101 First Year Seminar required of all freshman students
 CTI 101: Success in Technology & Innovation	1		
 EGR 101: Foundations of Engineering Design Project I	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
Term hours subtotal:	14		
Term 2 15 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		• Please note that both PHY 121 and PHY 122 must be taken to secure SQ General Studies credit.
EGR 104: Critical Inquiry in Engineering (L)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3		
 EGR 216: Engineering Electrical Fundamentals	3		
 EGR 218: Materials and Manufacturing Processes	3		
EGR 280: Engineering Statistics (CS)	3		
 MAT 267: Calculus for Engineers III (MA)	3	C	
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 45 - 59 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

❗ EGR 202: Use-Inspired Design Project II	3
❗ EGR 217: Engineering Mechanics Fundamentals	3
❗ EGR 219: Computational Modeling of Engineering Systems	3
MAT 275: Modern Differential Equations (MA) OR MAT 274: Elementary Differential Equations (MA)	3
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3
Term hours subtotal:	15

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
BIO 181: General Biology I (SQ) OR CHM 116: General Chemistry II (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ) OR PHY 122: University Physics Laboratory I (SQ) OR PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) OR BIO 182: General Biology II (SG)	4		Secondary Focus Area • A secondary focus area is a group of courses comprising of 12 or more credit hours (minimum 6 hours upper division at the 300 or 400 level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area.
★ EGR 304: Electrical Systems Project I	3		
★ EGR 330: Design of Electrical Systems	3		
★ EGR 334: Analog-Digital Interface	3		
Secondary Focus Area	3		
Term hours subtotal:	16		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 314: Electrical Systems Project II	3		Secondary Focus Area • A secondary focus area is a group of courses comprising of 12 or more credit hours (minimum 6 hours upper division at the 300 or 400 level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area.
★ EGR 338: Microcontrollers in Smart Systems	3		
HST 318: History of Engineering ((L or SB) & G)	3		
MAT 343: Applied Linear Algebra	3		
Upper Division Secondary Focus Area	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 401: Professional Design Project I (L)	3		Secondary Focus Area • A secondary focus area is a group of courses comprising of 12 or more credit hours (minimum 6 hours upper division at the 300 or 400 level) which form a coherent theme. For example, all courses may
★ EGR 430: Design, Fabrication, and Architecture of Electronic Devices	3		
PHY 331: Principles of Modern Electromagnetism	3		
Upper Division Secondary Focus Area	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area.

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 402: Professional Design Project II	3		Secondary Focus Area • A secondary focus area is a group of courses comprising of 12 or more credit hours (minimum 6 hours upper division at the 300 or 400 level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area.
★ EGR 431: Power Management	3		
Humanities, Arts and Design (HU)	3		
Upper Division Secondary Focus Area	3		
Upper Division Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Upper Division Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Engineering (Humanitarian Engineering), BSE

Ira A. Fulton Schools of Engineering
Polytechnic campus
TSEGRHEBSE

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • CTI 101 required of all freshman students
 CTI 101: Success in Technology & Innovation	1		
 EGR 101: Foundations of Engineering Design Project I	3		
 MAT 265: Calculus for Engineers I (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	14		

Term 2 15 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		• Please note that both PHY 121 and PHY 122 must be taken to secure SQ General Studies credit.
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3		
EGR 104: Critical Inquiry in Engineering (L)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3		
 EGR 216: Engineering Electrical Fundamentals	3		
 EGR 218: Materials and Manufacturing Processes	3		
 MAT 267: Calculus for Engineers III (MA)	3	C	
EGR 280: Engineering Statistics (CS)	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 59 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EGR 202: Use-Inspired Design Project II	3		
 EGR 217: Engineering Mechanics Fundamentals	3		
EGR 219: Computational Modeling of Engineering Systems	3		
MAT 275: Modern Differential Equations (MA)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		
Term 5 60 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EGR 307: Humanitarian Engineering Project I	3		• Student will select one four credit science elective satisfying SQ OR PHY 122 which (combined with PHY 121) completes the SQ requirement and a 3 credit science elective. • A secondary focus area is a group of courses comprising of 12 or more credit hours (minimum 6 hours upper division at the 300 or 400 level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area.
 EGR 321: Water Resource Systems	3		
 EGR 371: Best Practices for Humanitarian Engineering	3		
Secondary Focus Area	3		
Science Elective AND Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	16		
Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EGR 317: Humanitarian Engineering Project II	3		• A secondary focus area is a group of courses comprising of 12 or more credit hours (minimum 6 hours upper division at the 300 or 400 level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area.
 EGR 325: Water and Wastewater Treatment	3		
HST 318: History of Engineering ((L or SB) & G)	3		
MAT 343: Applied Linear Algebra	3		
Secondary Focus Area	3		
Term hours subtotal:	15		
Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EGR 340: Engineering Thermo-Fluids I	3		• A secondary focus area is a group of courses comprising of 12 or more credit hours (minimum 6 hours upper division at the
 EGR 401: Professional Design Project I (L)	3		
ABS 485: GIS in Natural Resources	3		

Upper Division Secondary Focus Area	3
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3
Term hours subtotal:	15

300 or 400 level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area.

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 402: Professional Design Project II	3		A secondary focus area is a group of courses comprising of 12 or more credit hours (minimum 6 hours upper division at the 300 or 400 level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area.
★ EGR 476: Energy Infrastructures	3		
Upper Division Secondary Focus Area	3		
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

- Students must select 4 credit hours of Science Elective.

Science Elective
BIO 181: General Biology I (SQ)
CHM 116: General Chemistry II (SQ)
GLG 101: Introduction to Geology I (Physical) (SQ)
GLG 103: Introduction to Geology I-Laboratory (SQ)
PHY 131: University Physics II: Electricity and Magnetism (SQ)
PHY 132: University Physics Laboratory II (SQ)
PHY 122: University Physics Laboratory I (SQ)

Notes:

- A secondary focus area is a group of courses comprising of 12 or more credit hours (minimum 6 hours upper division at the 300 or 400 level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Engineering (Mechanical Engineering Systems), BSE

Ira A. Fulton Schools of Engineering

Polytechnic campus
TSEGRMEBSE

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CTI 101: Success in Technology & Innovation	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • CTI 101 First Year Seminar required of all freshman students
 EGR 101: Foundations of Engineering Design Project I	3		
 MAT 265: Calculus for Engineers I (MA)	3	C	
CHM 113: General Chemistry I (SQ)	4		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	14		
Term 2 15 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		• Please note that both PHY 121 and PHY 122 must be taken to secure SQ General Studies credit.
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3		
EGR 104: Critical Inquiry in Engineering (L)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3		
 EGR 216: Engineering Electrical Fundamentals	3		
 EGR 218: Materials and Manufacturing Processes	3		
 MAT 267: Calculus for Engineers III (MA)	3	C	
EGR 280: Engineering Statistics (CS)	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 45 - 59 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

❗ EGR 202: Use-Inspired Design Project II	3
❗ EGR 217: Engineering Mechanics Fundamentals	3
❗ EGR 219: Computational Modeling of Engineering Systems	3
MAT 275: Modern Differential Equations (MA) OR MAT 274: Elementary Differential Equations (MA)	3
Humanities, Arts and Design (HU)	3
Complete MAT 267 course(s).	
Term hours subtotal:	15

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 303: Mechanical Systems Project I	3		A secondary focus area is a group of courses comprising 12 or more hours, with a minimum 6 hours upper division, which form a coherent theme. For example, all courses may share a common subject prefix. Students must work with an academic success specialist to identify their secondary focus area.
★ EGR 340: Engineering Thermo-Fluids I	3		
BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) OR CHM 116: General Chemistry II (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ & G) AND GLG 103: Introduction to Geology I-Laboratory (SQ) OR PHY 122: University Physics Laboratory I (SQ) OR PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4		
Secondary Focus Area	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	16		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 313: Mechanical Systems Project II	3		A secondary focus area is a group of courses comprising 12 or more hours, with a minimum 6 hours upper division, which form a coherent theme. For example, all courses may share a common subject prefix. Students must work with an academic success specialist to identify their secondary focus area.
★ EGR 343: Mechanics of Solid Materials	3		
HST 318: History of Engineering ((L or SB) & G)	3		
MAT 343: Applied Linear Algebra	3		
Secondary Focus Area	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 346: Engineering Design	3		A secondary focus area is a group of courses comprising 12 or more hours, with a minimum 6 hours upper division, which form a coherent theme. For example, all courses may share a common subject prefix. Students must work with an academic success specialist to identify their secondary focus area.
★ EGR 401: Professional Design Project I (L)	3		
PHY 321: Vector Mechanics and Vibration	3		
Upper Division Secondary Focus Area	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

specialist to identify their secondary focus area.

Term 8 106 - 120 Credit Hours Necessary course signified by ★		Hours	Minimum Grade	Notes
★ EGR 402: Professional Design Project II		3		• A secondary focus area is a group of courses comprising 12 or more hours, with a minimum 6 hours upper division, which form a coherent theme. For example, all courses may share a common subject prefix. Students must work with an academic success specialist to identify their secondary focus area.
★ EGR 432: Engineering Thermo-Fluids II		3		
★ EGR 445: Mechanical Engineering Systems		3		
Upper Division Secondary Focus Area		3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)		3		
Term hours subtotal:		15		

- A secondary focus area is a group of courses comprising of 12 or more credit hours (minimum 6 hours upper division at the 300 or 400 level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Engineering (Robotics), BSE

Ira A. Fulton Schools of Engineering

Polytechnic campus
TSEGRRBSE

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
CHM 113: General Chemistry I (SQ)	4		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 CTI 101: Success in Technology & Innovation	1		
 EGR 101: Foundations of Engineering Design Project I	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
Term hours subtotal:	14		
Term 2 15 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		• Please note that both PHY 121 and PHY 122 must be taken to secure SQ General Studies credit.
EGR 104: Critical Inquiry in Engineering (L)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3		
 EGR 216: Engineering Electrical Fundamentals	3		
 EGR 218: Materials and Manufacturing Processes	3		
EGR 280: Engineering Statistics (CS)	3		
 MAT 267: Calculus for Engineers III (MA)	3	C	
Term hours subtotal:	15		
Term 4 45 - 59 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

❗ EGR 202: Use-Inspired Design Project II	3
❗ EGR 217: Engineering Mechanics Fundamentals	3
❗ EGR 219: Computational Modeling of Engineering Systems	3
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3
MAT 275: Modern Differential Equations (MA) OR MAT 274: Elementary Differential Equations (MA)	3
Term hours subtotal:	15

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
BIO 181: General Biology I (SQ) OR CHM 116: General Chemistry II (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ & G) AND GLG 103: Introduction to Geology I-Laboratory (SQ) OR PHY 122: University Physics Laboratory I (SQ) OR PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) OR BIO 182: General Biology II (SG)	4		- A secondary focus area is a group of courses comprising of 12 or more credit hours (minimum 6 hours upper division at the 300 or 400 level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area. - EGR 330 offered in fall only
★ EGR 305: Robotics Systems Project I	3		
★ EGR 455: Robotic Systems I	3		
Secondary Focus Area	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	16		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 315: Robotic Systems Project II	3		- A secondary focus area is a group of courses comprising of 12 or more credit hours (minimum 6 hours upper division at the 300 or 400 level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area. - EGR 343 offered in spring only
HST 318: History of Engineering ((L or SB) & G)	3		
★ Upper Division Primary Robotics Focus Area	3	C	
MAT 343: Applied Linear Algebra	3		
Secondary Focus Area	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EGR 401: Professional Design Project I (L)	3		A secondary focus area is a group of courses comprising of 12 or more credit hours (minimum 6 hours upper division at the 300 or 400 level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with
★ Upper Division Primary Robotics Focus Area	3	C	
PHY 321: Vector Mechanics and Vibration	3		
Upper Division Secondary Focus Area	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

an academic success specialist to identify their secondary focus area.

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	EGR 402: Professional Design Project II		3		A secondary focus area is a group of courses comprising of 12 or more credit hours (minimum 6 hours upper division at the 300 or 400 level) which form a coherent theme. For example, all courses may share a common subject prefix. Students work with an academic success specialist to identify their secondary focus area.
★	Complete 2 courses: Upper Division Primary Robotics Focus Area		6	C	
	Upper Division Secondary Focus Area		3		
	Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)		3		
	Term hours subtotal:		15		

- Students must choose as their primary focus one of the tracks below (electrical or mechanical). All courses in the primary focus will be taken from that single track.
- Students may use a second primary focus track for their Secondary Focus requirement.

Robotics - Electrical Focus Area

EGR 330: Design of Electrical Systems

EGR 334: Analog-Digital Interface

EGR 433: Transforms and Systems Modeling

EGR 456: Robotic Systems II

Robotics - Mechanical Focus Area

EGR 343: Mechanics of Solid Materials

EGR 346: Engineering Design

EGR 433: Transforms and Systems Modeling

EGR 456: Robotic Systems II

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Engineering Management, BSE

Ira A. Fulton Schools of Engineering
ESEMGBSE

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • If ENG 105 is taken, a 3 credit hour applicable elective must also be taken prior to graduation. Contact CIDSE Advising.
ASU 101-IEE: The ASU Experience	1		
FSE 100: Introduction to Engineering	2	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
Basic Science Elective	3		
PSY 101: Introduction to Psychology (SB)	3	C	
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
ECN 212: Microeconomic Principles (SB)	3	C	
 CSE 110: Principles of Programming with Java (CS)	3	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
 Complete ENG 101 OR ENG 105 OR ENG 107.			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
ACC 231: Uses of Accounting Information I	3	C	
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	

MAT 267: Calculus for Engineers III (MA)	3	C
Global Engineering/Sustainability/Entrepreneurship Course	3	
⚠ Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	16	

Term 4 48 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
COM 263: Elements of Intercultural Communication (SB & C & G)	3		
ACC 241: Uses of Accounting Information II	3	C	
⚠ IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
⚠ MAT 242: Elementary Linear Algebra	2	C	
Math or Science Elective	3		
⚠ Complete MAT 265 AND MAT 266 AND MAT 242 AND CSE 110 AND CSE 205 AND IEE 380 course(s).			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IEE 431: Engineering Administration	3	C	
MGT 300: Organization and Management Leadership	3	C	
IEE 305: Information Systems Engineering (CS)	3	C	
Math or Science Elective	3		
Industry Focus Area Elective	3	C	
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IEE 458: Project Management	3	C	
IEE 300: Economic Analysis for Engineers	3	C	
IEE 369: Work Analysis and Design (L)	3	C	
Complete 2 courses: Industry Focus Area Elective	6	C	
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
IEE 454: Risk Management	3	C	
IEE 456: Introduction to Systems Engineering	3	C	
IEE 477: System Dynamics and Thinking	3	C	
★ IEE 485: Systems Design Capstone I	3	C	
Upper Division Industry Focus Area Elective	3	C	
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

Upper Division Humanities, Arts and Design (HU)	3	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Upper Division Technical Elective	2-3	C
★ IEE 486: Systems Design Capstone II (L)	3	C
Upper Division Industry Focus Area Elective	3	C
Term hours subtotal:		14-15

- Contact CIDSE Advising or visit the [CIDSE website](#) for Math or Science electives, EM Industry Focus Area Electives, or IEE Technical Elective courses (see Career Focus Area for details).

Basic Science Elective

BIO 181: General Biology I (SQ)

BIO 182: General Biology II (SG)

BME 111: Engineering Perspectives on Biological Systems

GLG 101: Introduction to Geology I (Physical) (SQ)

GLG 102: Introduction to Geology II (Historical) (SG & H)

GLG 110: Dangerous World (SG & G)

Global Engineering/Sustainability/Entrepreneurship

ALA 102: Landscapes and Sustainability (HU & G)

CEE 181: Technological, Social, and Sustainable Systems (HU)

FSE 301: Entrepreneurship for Engineers

PUP 190: Sustainable Cities ((HU or SB) & G)

SES 106: Habitable Worlds (SQ)

SOS 110: Sustainable World

SOS 111: Sustainable Cities ((HU or SB) & G)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Engineering Management, BSE**

Ira A. Fulton Schools of Engineering

Online

ESEMGBSE

Term 1 - A 1 - 6 Credit Hours		Hours	Minimum Grade	Notes
ASU 101-IEE: The ASU Experience		1		• An SAT, ACT, Accuplacer, TOEFL, or IELTS score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
FSE 100: Introduction to Engineering		2	C	
Basic Science Elective		3		
Term hours subtotal:		6		
Term 1 - B 7 - 12 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)		3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: English for Foreign Students or ENG 108: First-Year Composition		3	C	
Term hours subtotal:		6		
Term 2 - A 13 - 18 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: English for Foreign Students or ENG 108: First-Year Composition		3	C	
 MAT 265: Calculus for Engineers I (MA)		3	C	
Term hours subtotal:		6		
Term 2 - B 19 - 24 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)		3	C	
 MAT 266: Calculus for Engineers II (MA)		3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		6		

Term 3 - A 25 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
Term hours subtotal:	6		
Term 3 - B 31 - 37 Credit Hours	Hours	Minimum Grade	Notes
ACC 231: Uses of Accounting Information I	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		
Term 4 - A 38 - 43 Credit Hours	Hours	Minimum Grade	Notes
ACC 241: Uses of Accounting Information II	3	C	
PHY 131: University Physics II: Electricity and Magnetism (SQ) OR MAT 275: Modern Differential Equations (MA)	3		
Term hours subtotal:	6		
Term 4 - B 44 - 49 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 212: Microeconomic Principles (SB)	3	C	
PHY 131: University Physics II: Electricity and Magnetism (SQ) OR MAT 275: Modern Differential Equations (MA)	3		
 Complete MAT 265 AND MAT 266 AND CSE 110 AND CSE 205 AND PSY 101 course(s).			
Term hours subtotal:	6		
Term 5 - A 50 - 55 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MAT 242: Elementary Linear Algebra	2	C	
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
Term hours subtotal:	6		
Term 5 - B 56 - 61 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
COM 263: Elements of Intercultural Communication (SB & C & G)	3		
Term hours subtotal:	6		
Term 6 - A 62 - 67 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 IEE 305: Information Systems Engineering (CS)	3	C	
MGT 300: Organization and Management Leadership	3	C	

Term hours subtotal: 6

Term 6 - B 68 - 73 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ IEE 376: Operations Research Deterministic Techniques/Applications	3	C	
Global Engineering/Sustainability/Entrepreneurship	3		

Term hours subtotal: 6

Term 7 - A 74 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ IEE 431: Engineering Administration	3	C	
IEE 300: Economic Analysis for Engineers	3	C	

Term hours subtotal: 6

Term 7 - B 80 - 85 Credit Hours	Hours	Minimum Grade	Notes

IEE 369: Work Analysis and Design (L)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		

Term hours subtotal: 6

Term 8 - A 86 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ IEE 458: Project Management	3	C	
Upper Division Industry Focus Area Elective	3	C	

Term hours subtotal: 6

Term 8 - B 92 - 97 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ IEE 454: Risk Management	3	C	
IEE 474: Quality Control	3	C	

Term hours subtotal: 6

Term 9 - A 98 - 103 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ IEE 461: Production Control	3	C	• Visit the CIDSE website for IEE Technical Elective courses
Upper Division Industry Focus Area Elective	3	C	

Term hours subtotal: 6

Term 9 - B 104 - 109 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ IEE 456: Introduction to Systems Engineering	3	C	
Upper Division Humanities, Arts and Design (HU)	3		

Term hours subtotal: 6

Term 10 - A 110 - 115 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ IEE 485: Systems Design Capstone I (L)	3	C
IEE 477: System Dynamics and Thinking	3	
Term hours subtotal:	6	

Term 10 - B 116 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IEE 486: Systems Design Capstone II (L)	3		• Contact CIDSE Advising or visit the CIDSE website for IEE Technical Elective courses.
Technical Elective	2-3	C	
Term hours subtotal:	5-6		

- Major maps are built based on full-time enrollment, but can be adjusted as necessary for part-time attendance.

Basic Science Elective

BIO 181: General Biology I (SQ)

BIO 182: General Biology II (SG)

BME 111: Engineering Perspectives on Biological Systems

GLG 101: Introduction to Geology I (Physical) (SQ)

GLG 102: Introduction to Geology II (Historical) (SG & H)

GLG 110: Dangerous World (SG & G)

Global Engineering/Sustainability/Entrepreneurship

ALA 102: Landscapes and Sustainability (HU & G)

CEE 181: Technological, Social, and Sustainable Systems (HU)

FSE 301: Entrepreneurship for Engineers

PUP 190: Sustainable Cities ((HU or SB) & G)

SES 106: Habitable Worlds (SQ)

SOS 110: Sustainable World

SOS 111: Sustainable Cities ((HU or SB) & G)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Environmental and Resource Management, BS

Ira A. Fulton Schools of Engineering

Polytechnic campus

TSETMBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • CTI 101 required of all freshman students
 CHM 113: General Chemistry I (SQ)	4	C	
 CTI 101: Success in Technology & Innovation	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 170: Precalculus (MA)	3	C	
Term hours subtotal:	15		

Term 2 16 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	
 BIO 182: General Biology II (SG)	4		
 ERM 191: First-Year Seminar	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete BIO 181 AND BIO 182 course(s).			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 231: Elementary Organic Chemistry (SQ)	3	C	
 ABS 225: Soils (SQ)	3		
ABS 226: Soils Laboratory (SQ)	1		
 PSY 101: Introduction to Psychology (SB)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		

Complete Mathematics (MA) requirement.

❗ Complete First-Year Composition requirement.

Term hours subtotal: 16

Term 4	47 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗	ABS 270: Sustainable Biological Systems	3		
❗	PSY 230: Introduction to Statistics (CS)	3		
	ERM Elective	3		
	Focus Area	3		
	Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
	Term hours subtotal:	15		

Term 5	62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	TMC 330: Leading the Enterprise	3		
	ERM 303: Environmental Regulations	3		
	ERM 350: Natural Resources Measurements	3		
	Upper Division Focus Area	3		
	Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
	Term hours subtotal:	15		

Term 6	77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	TMC 430: Enterprise Strategy and Innovation	3		
	ABS 430: Watershed Management	3		
	Complete 3 courses: Upper Division Focus Area	9		
	Term hours subtotal:	15		

Term 7	92 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	TMC 470: Enterprise Planning and Implementation	3		
	Complete 2 courses: Upper Division Focus Area	6		
	ABS 485: GIS in Natural Resources	3		
	Elective	1		
	Term hours subtotal:	13		

Term 8	105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	ERM 480: Senior Project	3		
	ABS 479: Ecosystem Management and Planning (L)	3		
	ABS 486: Introduction to Remote Sensing	4		
	Complete 2 courses:			

- Student must complete one focus area (27 hours).
 - The Wildlife focus area requires selection of ERM 274, ABS 370, and ABS 376 as prerequisites to upper division focus area courses.
 - The Range focus area requires selection of ABS 207, ABS 370, and ETM 440 as prerequisites to upper division focus area courses.

Focus Area: Range

ABS 207: Applied Plant Taxonomy AND
ABS 370: Ecology AND ETM 440:
Ecological Restoration Techniques

ABS 314: Applied Plant Physiology or
ABS 378: Wildlife Nutrition or ABS 380:
Restoration and Wildlife Plants or ERM
425: Soil Classification and Management
or ETM 441: Ecological Restoration
Practicum or ETM 482: Ecology and
Planning for Restoration or ETM 483:
Restoration Planning Practicum or ERM
381: Natural Resources Policy or ERM
435: Riparian Ecosystem Management or
ERM 274: Introduction to Wildlife
Management or ERM 301: Environmental
Management

Focus Area: Wildlife

ERM 274: Introduction to Wildlife
Management AND ABS 370: Ecology
AND ABS 376: Wildlife Ecology

BIO 360: Animal Physiology or ABS 207:
Applied Plant Taxonomy or ABS 355:
Anatomy and Physiology of Vertebrates
or ETM 475: Habitat Management for
Small Wildlife AND ETM 476: Big Game
Habitat Management or ABS 470: Life
History of Mammals or BIO 471:
Ornithology or ABS 472: Applied
Herpetology or ERM 435: Riparian
Ecosystem Management or ETM 482:
Ecology and Planning for Restoration or
ETM 483: Restoration Planning Practicum

Focus Area: Environmental Technology

STS 260: Politics of Science and
Technology (SB)

ERM 302: Water and Wastewater
Treatment Technology

ERM 401: Hazardous Waste Management

ERM 402: Unit Treatment Technologies

ERM 406: Environmental Chemistry

ERM 426: Environmental Issues

ERM 407: Occupational Hygiene

STS 364: Science, Technology, and
National Security (SB)

ERM 381: Natural Resources Policy

ERM 428: International Environmental
Management (G)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Graphic Information Technology, BS

Ira A. Fulton Schools of Engineering

TSGITBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CTI 101: Success in Technology & Innovation	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • CTI 101 is required of all freshman students
 GIT 135: Graphic Communications	3		
 GIT 210: Creative Thinking and Design Visualization	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	16		

Term 2 17 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GIT 215: Introduction to Web Authoring	3		
 GIT 230: Digital Illustration in Publishing	3		
CHM 101: Introductory Chemistry (SQ) OR Natural Science - Quantitative (SQ)	4		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	13		

Term 3 30 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GIT 237: Web Content Design	3		
PSY 101: Introduction to Psychology (SB)	3	C	
TMC 110: Understanding the Enterprise	3		
PHY 101: Introduction to Physics (SQ) OR Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
 Complete Mathematics (MA) requirement.			
Complete GIT 135 AND GIT 215 AND GIT 230 AND GIT 237 course(s).			
Term hours subtotal:	16		

Term 4 46 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3		
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB) OR Social-Behavioral Sciences (SB)	3		
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GIT 303: Digital Publishing	3		A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 6 must be upper division, which form a coherent theme. Students may use a second primary focus track for their secondary focus requirement.
 GIT 384: Commercial Photography	3		
 TMC 330: Leading the Enterprise	3		
Primary Focus Area	3		
Secondary Focus Area	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GIT 314: Multimedia Design, Planning and Storyboards	3		A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 6 must be upper division, which form a coherent theme. Students may use a second primary focus track for their secondary focus requirement.
TMC 331: Quality Assurance	3		
Primary Focus Area	3		
Secondary Focus Area	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GIT 432: Graphic Industry Business Practices	3		A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 6 must be upper division, which form a coherent theme. Students may use a second primary focus track for their secondary focus requirement.
 TMC 470: Enterprise Planning and Implementation	3		
Upper Division Primary Focus Area	3		
Upper Division Secondary Focus Area	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Minimum

Term 8 106 - 120 Credit Hours Necessary course signified by ★		Hours	Grade	Notes
★ GIT 413: Professional Portfolio Design and Presentation		3		A secondary focus area is a group of courses comprising of 12 or more credit hours, of which a minimum of 6 must be upper division, which form a coherent theme. Students may use a second primary focus track for their secondary focus requirement.
GIT 480: Senior Project		3		
GIT Upper Division Elective		3		
Upper Division Primary Focus Area		3		
Upper Division Secondary Focus Area		3		
Term hours subtotal:		15		

- Students in the BS Graphic Information Technology program select a primary focus area consisting of 12 hours of focused courses (minimum 6 hours of upper division).

Focus Area: Digital Design, Print, and Publishing (select 4 courses)

GIT 211: Introduction to Video Game Art

GIT 333: Printing Technology

GIT 334: Image Capture and Manipulation

GIT 437: Color Reproduction Systems

GIT 450: Digital Workflow in Graphic Industries

GIT 494: Digital Publishing Seminar

Focus Area: Web Design and Development (select 4 courses)

GIT 414: Web Site Design and Internet/Web Technologies

GIT 417: Advanced Web Markup and Scripting

GIT 418: Multimedia Authoring, Scripting and Production

GIT 435: Website and E-Commerce Strategies

GIT 402: New Media Internet Technologies

GIT 494: Information Design and Usability

Focus Area: Commercial Photography and Video (select 4 courses)

GIT 295: Introduction to Technical Imaging

GIT 334: Image Capture and Manipulation

GIT 490: Advanced Commercial Photography

GIT 394: Special Topics or GIT 494: Special Topics

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Graphic Information Technology, BS

Ira A. Fulton Schools of Engineering

Online
TSGITBS

Term 1 - A 1 - 7 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	CTI 101: Success in Technology & Innovation	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Mathematics Placement Test score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
	GIT 135: Graphic Communications	3		
	Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
	Term hours subtotal:	7		
Term 1 - B 8 - 13 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	MAT 170: Precalculus (MA)	3	C	
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
	Term hours subtotal:	6		
Term 2 - A 14 - 22 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	GIT 210: Creative Thinking and Design Visualization	3		
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
	PSY 101: Introduction to Psychology (SB)	3	C	
	Term hours subtotal:	9		
Term 2 - B 23 - 29 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	GIT 230: Digital Illustration in Publishing	3		
	Natural Science - Quantitative (SQ)	4		
	Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
	Term hours subtotal:	7		
Term 3 - A 30 - 38 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes

 GIT 215: Introduction to Web Authoring	3
TMC 110: Understanding the Enterprise	3
Humanities, Arts and Design (HU) AND Global Awareness (G)	3
Term hours subtotal:	9

Term 3 - B 39 - 45 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 46 - 51 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GIT 237: Web Content Design	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 4 - B 52 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3		
Literacy and Critical Inquiry (L)	3		
Focus Area	3		
Term hours subtotal:	9		

Term 5 - A 61 - 66 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GIT 303: Digital Publishing	3		
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		

Term 5 - B 67 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GIT 384: Commercial Photography	3		
TMC 330: Leading the Enterprise	3		
Focus Area	3		
Term hours subtotal:	9		

Term 6 - A 76 - 84 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GIT 414: Web Site Design and Internet/Web Technologies	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	9		

Term 6 - B	85 - 90 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	GIT 314: Multimedia Design, Planning and Storyboards		3		
	TMC 331: Quality Assurance		3		
	Term hours subtotal:		6		
Term 7 - A	91 - 99 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	GIT 417: Advanced Web Markup and Scripting		3		
	TMC 470: Enterprise Planning and Implementation		3		
	Upper Division Focus Area		3		
	Term hours subtotal:		9		
Term 7 - B	100 - 105 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	GIT 418: Multimedia Authoring, Scripting and Production		3		
	GIT 432: Graphic Industry Business Practices		3		
	Term hours subtotal:		6		
Term 8 - A	106 - 111 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	GIT 413: Professional Portfolio Design and Presentation		3		
	GIT 480: Senior Project		3		
	Term hours subtotal:		6		
Term 8 - B	112 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	GIT 435: Website and E-Commerce Strategies		3		
	Upper Division Focus Area		3		
	GIT Upper Division Elective		3		
	Term hours subtotal:		9		

- A focus area is a group of courses comprising 12 or more credit hours forming a coherent theme, of which a minimum of 6 hours must be upper division. Two sample focus areas are listed below.

Focus Area - Multimedia Writing

TWC 200: Impact of Communications Technology on Society (L)

TWC 401: Principles of Technical Communication (L)

TWC 411: Principles of Visual Communication (L)

TWC 347: Written Communication for Managers (L)

TWC 452: Information in the Digital Age

TWC 301: General Principles of Multimedia Writing (L)

TWC 494: Social Media in the Workplace

Focus Area - Entrepreneurship

TEM 200: My Technology Venture

TEM 311: Opportunity Analysis

TEM 330: Systems Innovation

TEM 400: Technology Entrepreneurship

TMC 310: Promotion of the Enterprise

TEM 250: Design Methodology

TEM 455: Global Impact Entrepreneurship

TEM 460: Lean Six Sigma Green Belt Certification

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Industrial Engineering, BSE

Ira A. Fulton Schools of Engineering

Tempe campus
ESIEEBSE

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Basic Science Elective	3		• An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students and should be taken the first semester. • If ENG 105 is taken, a 3 hour applicable elective must also be taken prior to graduation. Contact CIDSE Advising.
 MAT 265: Calculus for Engineers I (MA)	3	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FSE 100: Introduction to Engineering	2	C	
ASU 101-IEE: The ASU Experience	1		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 CSE 110: Principles of Programming with Java (CS)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
PHY 131: University Physics II: Electricity and Magnetism (SQ)	3		

PHY 132: University Physics Laboratory II (SQ)	1	
MAT 267: Calculus for Engineers III (MA)	3	
❗ IEE 210: Introduction to Industrial Engineering	3	C
CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C
❗ ECN 211: Macroeconomic Principles (SB)	3	C
Complete Mathematics (MA) requirement.		
❗ Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	16	

Term 4 48 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4		
MAE 212: Engineering Mechanics	4		
MAT 275: Modern Differential Equations (MA)	3		
IEE 300: Economic Analysis for Engineers	3	C	
MAT 242: Elementary Linear Algebra OR MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	2-3	C	
❗ Complete ECN 211 AND ENG 101 AND ENG 102 OR ENG 105 OR ENG 107 AND ENG 108 AND MAT 265 AND MAT 266 AND PHY 121 AND PHY 122 AND IEE 210 AND CSE 110 course(s).			
Term hours subtotal:	16-17		

Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
MSE 250: Structure and Properties of Materials	3		
Engineering Science Elective	3-4		
★ IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
IEE 305: Information Systems Engineering (CS)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15-16		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Career Focus Study Area	3	C	
★ IEE 385: Engr Statistics - Probability	3	C	
IEE 369: Work Analysis and Design (L)	3	C	
IEE 376: Operations Research Deterministic Techniques/Applications	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

IEE 470: Stochastic Operations Research	3	C
IEE 461: Production Control	3	C
IEE 485: Systems Design Capstone I	3	C
IEE 474: Quality Control	3	C
★ IEE 475: Simulating Stochastic Systems (CS)	3	C
Term hours subtotal:	15	

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Career Focus Study Area	3	C	
Upper Division Career Focus Study Area	3	C	
★ IEE 486: Systems Design Capstone II (L)	3	C	
Upper Division IEE Technical Elective	3	C	
Term hours subtotal:	12		

- Visit [CIDSE](#) website for Career Focus Area and Technical Elective courses.

Engineering Science Elective

CEE 384: Numerical Methods for Engineers (CS)

CSE 120: Digital Design Fundamentals

CSE 240: Introduction to Programming Languages

EEE 202: Circuits I

MAE 240: Thermofluids I

Basic Science Elective

BIO 181: General Biology I (SQ)

BIO 182: General Biology II (SG)

BME 111: Engineering Perspectives on Biological Systems

GLG 101: Introduction to Geology I (Physical) (SQ & G)

GLG 102: Introduction to Geology II (Historical) (SG & H)

GLG 110: Dangerous World (SG & G)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Industrial and Organizational Psychology, BS

Ira A. Fulton Schools of Engineering

Polytechnic campus
ECPSYBS

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CTI 101: Success in Technology & Innovation	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • CTI 101 or College required of all freshman students
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 170: Precalculus (MA)	3	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
TMC 110: Understanding the Enterprise	3		
Term hours subtotal:	13		

Term 2 14 - 28 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 100: The Living World (SQ) OR BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG) OR BIO 201: Human Anatomy and Physiology I (SG) OR BIO 202: Human Anatomy and Physiology II (SG)	4		
 PSY 191: First-Year Seminar	1		
 PSY 230: Introduction to Statistics (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 29 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 290: Research Methods (L or SG)	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses:			

Elective	6
Complete Mathematics (MA) requirement.	
Term hours subtotal:	17

Term 4 46 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS) OR CSE 180: Computer Literacy (CS) OR CST 100: Object-Oriented Software Development I OR EDT 180: Problem Solving using Digital Technology Applications (CS)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
PSY 323: Sensation and Perception	3	C	
PSY 330: Statistical Methods (CS)	3	C	
 PSY 437: Human Factors (L)	3	C	
PSY 440: Industrial/Organizational Psychology	3	C	
Focus Area A	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours	Hours	Minimum Grade	Notes
ENG 301: Writing for the Professions (L) OR Upper Division TWC course (L)	3	C	
AMT OR BIO OR CIS OR CSE OR EXW OR MGT OR TWC Upper Division Elective	3		
PSY 324: Memory and Cognition	3	C	
PSY 350: Social Psychology (SB)	3	C	
Focus Area B	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours	Hours	Minimum Grade	Notes
AMT OR BIO OR CIS OR CSE OR EXW OR MGT OR TWC Upper Division Elective	3		
Focus Area A	3		
Focus Area B	3		
Upper Division Focus Area A	3		
Upper Division Focus Area B	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ PSY 477: Applied Psychology Capstone Experience	3	C
Complete 2 courses: Upper Division Focus Area A	6	
Complete 2 courses: Upper Division Focus Area B	6	
Term hours subtotal:	15	

- Students must select two focus areas.

Focus areas, User Experience and Learning Technology, require selection of GIT courses as prerequisites to lower and upper division focus area courses.

Focus Area: Pre-Clinical and Counseling (Choose 5)

PSY 222: Human Sexual Behavior (SB)

PSY 315: Personality Theory and Research (SB)

PSY 325: Physiological Psychology

PSY 366: Abnormal Psychology (SB)

PSY 471: Psychological Testing

Focus Area: Human Resources and Organizational Behavior (Choose 5)

TEM 230: Creativity and Business Innovation

PSY 306: Environmental Psychology (SB)

TMC 330: Leading the Enterprise

PSY 439: Training and Skill Acquisition

PSY 453: Organizational Behavior (SB)

PSY 471: Psychological Testing

Focus Area: Consumer Psychology (Choose 5)

PSY 304: Effective Thinking (L)

TMC 310: Promotion of the Enterprise

TEM 311: Opportunity Analysis

TEM 230: Creativity and Business Innovation

PSY 471: Psychological Testing

Focus Area: Learning Technology (Choose 5)

PSY 439: Training and Skill Acquisition

PSY 320: Learning and Motivation

PSY 360: Cognitive Science

GIT 215: Introduction to Web Authoring

GIT 230: Digital Illustration in Publishing

GIT 215: Introduction to Web Authoring
AND GIT 230: Digital Illustration in

Publishing AND GIT 237: Web Content Design

Focus Area: User Experience (Choose 5)

TEM 250: Design Methodology

OMT 343: Occupational Safety and Ergonomics

PSY 360: Cognitive Science

PSY 438: Human-Computer Interaction

PSY 439: Training and Skill Acquisition

PSY 448: Human Factors in Transportation

GIT 215: Introduction to Web Authoring

GIT 230: Digital Illustration in Publishing

GIT 215: Introduction to Web Authoring AND GIT 230: Digital Illustration in Publishing AND GIT 237: Web Content Design AND GIT 414: Web Site Design and Internet/Web Technologies

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Informatics, BS

Ira A. Fulton Schools of Engineering

Tempe campus
ESCPIBS

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	• An SAT, ACT, Accuplacer, TOEFL or IELTS score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar (ASU 101-CPI or ASU 101-CSE) required of all freshman student and should be taken the first semester. • If ENG 105 is taken, a 3 credit hour applicable elective must also be taken prior to graduation. Contact CIDSE Advising.
ASU 101-CSE: The ASU Experience		1		
 MAT 210: Brief Calculus (MA) OR MAT 265: Calculus for Engineers I (MA)		3	C	
 CPI 101: Introduction to Informatics (CS)		3	C	
 CSE 110: Principles of Programming with Java (CS)		3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)		3		
Term hours subtotal:		16		
Term 2 17 - 30 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
 MAT 242: Elementary Linear Algebra		2	C	
 CSE 205: Object-Oriented Programming and Data Structures (CS)		3	C	
Literacy and Critical Inquiry (L)		3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)		3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		14		
Term 3 31 - 46 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
Natural Science - General (SG)		4		
 MAT 243: Discrete Mathematical Structures		3	C	
IEE 305: Information Systems Engineering (CS)		3	C	

Lower Division Informatics Elective or Focus Area Required Course	3	C
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3	
Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

Term 4 47 - 62 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		
 CPI 200: Mathematical Foundations of Informatics (MA)	3	C	
Complete 2 courses: Lower Division Informatics Elective or Focus Area Required Course	6	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete CPI 101 AND CSE 110 AND CSE 205 AND MAT 210 OR MAT 265 AND MAT 242 AND MAT 243 course(s).			
Term hours subtotal:	16		

Term 5 63 - 77 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
STP 420: Introductory Applied Statistics (CS) OR STP 231: Statistics for Life Science (CS) OR GCU 495: Quantitative Methods in Geography & Planning (CS) OR IEE 380: Probability and Statistics for Engineering Problem Solving (CS)	3	C	
 CPI 360: Decision Making and Problem Solving	3	C	
CPI 310: Web-Based Information Management Systems	3	C	
Complete 2 courses: Lower Division Informatics Elective or Focus Area Required Course	6	C	
Term hours subtotal:	15		

Term 6 78 - 92 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
Complete 2 courses: Lower Division Informatics Elective or Focus Area Required Course	6	C	
 CPI 350: Evaluation of Informatics Systems	3	C	
CSE 463: Introduction to Human Computer Interaction	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 7 93 - 107 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CPI 485: Informatics Capstone I (L)	3	C	
Complete 4 courses: Upper Division Informatics Elective or Focus Area Required Course	12	C	
Term hours subtotal:	15		

Minimum

Term 8	108 - 120 Credit Hours	Necessary course signified by ★	Hours	Grade	Notes
★	CPI 486: Informatics Capstone II (L)		4		
Complete 3 courses: Upper Division Informatics Elective or Focus Area Required Course			9	C	
Term hours subtotal:			13		

- Visit the [CIDSE website](#) for list of Informatics Electives or Focus Area Required Courses.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Information Technology, BS

Ira A. Fulton Schools of Engineering
TSIFTBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CST 100: Object-Oriented Software Development	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Mathematics Placement Test score determines placement into Mathematics course • CTI 101 is required of all freshmen students but is not required for transfer students.
 CTI 101: Success in Technology & Innovation	1		
 IFT 100: Multimedia, the Internet and the Web	3		
 MAT 210: Brief Calculus (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CST 200: Core Data Structures with Object Oriented Programming	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SER 232: Computer Systems Fundamentals I (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 IFT 200: Information Modeling, Storage and Retrieval	3		
 IFT 201: Computer and Network Systems: Organization and Administration	3		
 MAT 243: Discrete Mathematical Structures	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Minimum

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Grade	Notes
CST 250: Microcomputer Architecture and Programming	3		
 IFT 202: Foundations of Information and Computer System Security	3		
 STP 226: Elements of Statistics (CS)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 IFT 301: Introduction to Interactive Media	3		Secondary Focus Area: Students select a secondary focus area consisting of 12 credit hours. The secondary focus area may be in any area supporting the student's educational objectives and must complement the program. An Advisor or information technology faculty member must approve the courses selected, and 9 of the 12 credits must be upper-division.
 TMC 330: Leading the Enterprise	3		
 Primary Focus Area	3		
Secondary Focus Area	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
HST 318: History of Engineering ((L or SB) & G) OR Upper Division Social-Behavioral Sciences (SB) or Upper Division Humanities, Arts and Design (HU)	3		Secondary Focus Area: Students select a secondary focus area consisting of 12 credit hours. The secondary focus area may be in any area supporting the student's educational objectives and must complement the program. An Advisor or information technology faculty member must approve the courses selected, and 9 of the 12 credits must be upper-division.
 TMC 470: Enterprise Planning and Implementation	3		
 Primary Focus Area	3		
Upper Division Secondary Focus Area	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 IFT 401: Information Technology Capstone Project I	3		Secondary Focus Area: Students select a secondary focus area consisting of 12 credit hours. The secondary focus area may be in any area supporting the student's educational objectives and must complement the program. An Advisor or information technology faculty member must approve the courses selected, and 9 of the 12 credits must be upper-division.
 TMC 430: Enterprise Strategy and Innovation	3		
 Primary Focus Area	3		
Upper Division Elective	3		
Upper Division Secondary Focus Area	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 IFT 402: Information Technology Capstone Project II	3		Secondary Focus Area: Students select a secondary focus area consisting of 12 credit hours. The secondary focus area may be in any area supporting the student's educational objectives and must
TWC 347: Written Communication for Managers (L) OR TWC 401: Principles of Technical Communication (L) OR TWC 421: Principles of Writing with Technology (L) OR	3		

TWC 431: Principles of Technical Editing (L) OR
 TWC 446: Technical and Scientific Reports (L) OR
 Upper Division Literacy and Critical Inquiry (L)

complement the program. An Advisor or information technology faculty member must approve the courses selected, and 9 of the 12 credits must be upper-division.

★ Upper Division Primary Focus Area	3
Upper Division Secondary Focus Area	3
Term hours subtotal:	12

- Students choose one primary focus area (12 hours). Students must take primary focus area courses sequentially in order to meet the prerequisites of subsequent upper division courses.

Focus Area: Networking (CST 383 is required for 400 level CST courses)

CST 359: Internet Networking Protocol

CST 383: Shell and Script Programming with UNIX

CST 489: Network Administration with TCP/IP

CST 488: Systems Administration of UNIX

Focus Area: Computer System Security (CST 359 required for 400 level CST courses)

CST 359: Internet Networking Protocol

CST 383: Shell and Script Programming with UNIX

CST 481: Information System Security

CST 482: Network Forensics

Focus Area: Service Oriented Computing - Cloud Computing

SER 234: Operating Systems and Networks

SER 321: Principles of Distributed Software Systems

CST 359: Internet Networking Protocol

CST 433: Principles of Database Management

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Information Technology, BS

Ira A. Fulton Schools of Engineering
Online
TSIFTBS

Term 1 - A 1 - 7 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 CTI 101: Success in Technology & Innovation		1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Mathematics Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • CTI 101 required of all freshman students
 IFT 100: Multimedia, the Internet and the Web		3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Term hours subtotal:		7		

Term 1 - B 8 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 CST 100: Object-Oriented Software Development		3	C	
 MAT 210: Brief Calculus (MA)		3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)		3		
Term hours subtotal:		9		

Term 2 - A 17 - 26 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 CST 200: Core Data Structures with Object Oriented Programming		3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)		3		
Natural Science - Quantitative (SQ)		4		
Term hours subtotal:		10		

Term 2 - B 27 - 32 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
SER 232: Computer Systems Fundamentals I (CS)		3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		6		

Term 3 - A	33 - 41 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	IFT 200: Information Modeling, Storage and Retrieval		3		
	MAT 243: Discrete Mathematical Structures		3	C	
	Literacy and Critical Inquiry (L)		3		
	Term hours subtotal:		9		
Term 3 - B	42 - 48 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	IFT 201: Computer and Network Systems: Organization and Administration		3		
	Natural Science - Quantitative (SQ) OR Natural Science - General (SG)		4		
	Complete Mathematics (MA) requirement.				
	Term hours subtotal:		7		
Term 4 - A	49 - 54 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	IFT 202: Foundations of Information and Computer System Security		3		
	Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)		3		
	Term hours subtotal:		6		
Term 4 - B	55 - 63 Credit Hours		Hours	Minimum Grade	Notes
	CST 250: Microcomputer Architecture and Programming		3		
	Social-Behavioral Sciences (SB)		3		
	Upper Division Elective		3		
	Term hours subtotal:		9		
Term 5 - A	64 - 72 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes
	IFT 301: Introduction to Interactive Media		3		
	CST 359: Internet Networking Protocol		3		
	Secondary Focus Area		3		
	Term hours subtotal:		9		
Term 5 - B	73 - 78 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes
	TMC 330: Leading the Enterprise		3		
	Upper Division Elective		3		
	Term hours subtotal:		6		
Term 6 - A	79 - 84 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes
	CST 383: Shell and Script Programming with UNIX		3		
	STP 420: Introductory Applied Statistics (CS)		3	C	

Term hours subtotal: 6

Term 6 - B 85 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Secondary Focus Area	3		
HST 318: History of Engineering ((L or SB) & G) OR Upper Division Social-Behavioral Sciences (SB) or Upper Division Humanities, Arts and Design (HU)	3		
★ TMC 470: Enterprise Planning and Implementation	3		
Term hours subtotal:	9		

Term 7 - A 94 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
CST 489: Network Administration with TCP/IP	3		
★ TMC 430: Enterprise Strategy and Innovation	3		
Term hours subtotal:	6		

Term 7 - B 100 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IFT 401: Information Technology Capstone Project I	3		
Upper Division Secondary Focus Area	3		
Term hours subtotal:	6		

Term 8 - A 106 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ IFT 402: Information Technology Capstone Project II	3		
Upper Division Elective	3		
Term hours subtotal:	6		

Term 8 - B 112 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CST 488: Systems Administration of UNIX	3		
TWC 401: Principles of Technical Communication (L)	3		
Upper Division Secondary Focus Area	3		
Term hours subtotal:	9		

- Secondary Focus Area: A secondary focus area is a group of courses comprising 12 or more credit hours (minimum 6 hours upper division at the 300 or 400 level) which form a coherent theme. Students must choose a common subject prefix from the "Secondary Focus Area" listed below.

Secondary Focus Area

GIT

TEM

PSY

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Manufacturing Engineering, BS

Ira A. Fulton Schools of Engineering

Polytechnic campus
TSMEGRBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • CTI 101 is required of all freshman students
 CTI 101: Success in Technology & Innovation	1		
 EGR 101: Foundations of Engineering Design Project I	3		
MAT 265: Calculus for Engineers I (MA)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		
 PHY 121: University Physics I: Mechanics (SQ)	3		
PHY 122: University Physics Laboratory I (SQ)	1		
EGR 104: Critical Inquiry in Engineering (L)	3		
MAT 266: Calculus for Engineers II (MA)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EGR 201: Use-Inspired Design Project I	3		
 EGR 216: Engineering Electrical Fundamentals	3		
EGR 280: Engineering Statistics (CS)	3		
EGR 218: Materials and Manufacturing Processes	3		
MAT 275: Modern Differential Equations (MA)	3		
 Complete First-Year Composition requirement.			

 Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 46 - 60 Credit Hours **Critical course signified by**

Hours **Minimum Grade** **Notes**

 EGR 202: Use-Inspired Design Project II

3

 EGR 217: Engineering Mechanics Fundamentals

3

MAT 267: Calculus for Engineers III (MA)

3

EGR 219: Computational Modeling of Engineering Systems

3

Humanities, Arts and Design (HU)

3

Complete EGR 202 AND EGR 217 AND EGR 280 course(s).

Term hours subtotal: 15

Term 5 61 - 75 Credit Hours **Necessary course signified by**

Hours **Minimum Grade** **Notes**

 EGR 301: Concentration Project I

3

EGR 381: Manufacturing Processes and Validation Lab

3

EGR 382: Modeling of Manufacturing Systems I

3

EGR 383: Communications in a Production Environment

3

HST 318: History of Engineering ((L or SB) & G)

3

Term hours subtotal: 15

Term 6 76 - 90 Credit Hours **Necessary course signified by**

Hours **Minimum Grade** **Notes**

 EGR 302: Concentration Project II

3

 EGR 385: Design for Manufacturing

3

 EGR 387: Industrial Automation

3

Upper Division Technical Elective

3

Social-Behavioral Sciences (SB) AND Historical Awareness (H)

3

Complete EGR 301 AND EGR 302 course(s).

Term hours subtotal: 15

Term 7 91 - 105 Credit Hours **Necessary course signified by**

Hours **Minimum Grade** **Notes**

 EGR 401: Professional Design Project I (L)

3

 EGR 481: Enterprise Economics

3

 EGR 482: Materials Science in Manufacturing

4

EGR 485: Engineering Internship

2

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)

3

Term hours subtotal: 15

Term 8 106 - 120 Credit Hours **Necessary course signified by**

Hours **Minimum Grade** **Notes**

★ EGR 402: Professional Design Project II	3
★ EGR 480: Advanced Statistical Approaches for Manufacturing	3
EGR 483: Manufacturing Systems Operations	3
Upper Division Technical Elective	3
Social-Behavioral Sciences (SB)	3
Term hours subtotal:	15

- Choose one course in respective term for a total of six credits

Technical Electives

EGR 386: Integrated Circuit
Manufacturing

EGR 486: CNC Computer Programming

EGR 487: Casting and Forming Processes

EGR 488: Plasma Processing

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Materials Science and Engineering, BSE

Ira A. Fulton Schools of Engineering

Tempe campus
ESMSEBSE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 114: General Chemistry for Engineers (SQ) OR  CHM 113: General Chemistry I (SQ) AND  CHM 116: General Chemistry II (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • If student takes ENG 105 a 3 hr applicable elective must also be taken prior to graduation. See Advisor.
 FSE 100: Introduction to Engineering	2		
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-MSE: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	
 MSE 250: Structure and Properties of Materials	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 267: Calculus for Engineers III (MA)	3	C	
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	

❗ PHY 132: University Physics Laboratory II (SQ)	1	C
MSE 215: Materials Synthesis	3	
Math or Science Elective	3-4	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3	
❗ Minimum 2.00 GPA ASU Cumulative.		
❗ Complete FSE 100 AND CHM 114 OR CHM 116 AND MAT 265 AND MAT 266 AND MAT 267 AND PHY 121 AND PHY 122 AND PHY 131 AND PHY 132 AND MSE 250 course(s).		
Term hours subtotal: 16-17		

- For a list of Math or Science Elective course options, please go to:
http://engineering.asu.edu/semte/materials_B.html

Term 4 49 - 63 Credit Hours	Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MSE 211: Introduction to Mechanics of Materials		3		
IEE 380: Probability and Statistics for Engineering Problem Solving (CS)		3		
MAT 275: Modern Differential Equations (MA)		3		
MAT 343: Applied Linear Algebra		3		
PHY 241: University Physics III		3		
❗ Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:		15		

Term 5 64 - 79 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MSE 355: Structure and Defects		3	C	
MSE 330: Thermodynamics of Materials		3		
MSE 356: Structures, Properties, and Defects Lab		1		
MSE 415: Mathematical and Computer Methods in Materials (CS)		3		
Technical Elective		3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)		3		
Term hours subtotal:		16		

- For a list of Technical Elective course options, please go to:
http://engineering.asu.edu/semte/materials_B.html

Term 6 80 - 93 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MSE 420: Physical Metallurgy		3		
MSE 335: Materials Kinetics and Processing		3		
MSE 421: Physical Metallurgy Laboratory		1		
MSE 450: Introduction to Materials Characterization		3		
MSE 451: Introduction to Materials Characterization Lab		1		

MSE 458: Introduction to Electronic, Magnetic, and Optical Properties 3

Term hours subtotal: 14

Term 7 94 - 105 Credit Hours **Necessary course signified by** ★

Hours

**Minimum
Grade**

Notes

★ MSE 482: Materials Engineering Design (L)

3

MSE 440: Mechanical Properties of Solids

3

MSE 470: Polymers and Composites

3

MSE 471: Introduction to Ceramics

3

Term hours subtotal: 12

Term 8 106 - 120 Credit Hours **Necessary course signified by** ★

Hours

**Minimum
Grade**

Notes

★ MSE 490: Capstone Design Project II (L)

3

Advanced Science Elective

3

Complete 2 courses:
Technical Elective

6

Upper Division Humanities, Arts and Design (HU) OR
Upper Division Social-Behavioral Sciences (SB)

3

Term hours subtotal: 15

- For a list of Advanced Science Elective course options, please go to: http://engineering.asu.edu/semte/materials_B.html.
- For a list of Technical Elective course options, please go to: http://engineering.asu.edu/semte/materials_B.html.

- For a list of Math or Science Elective course options, Advanced Science Elective course options, or Technical Elective course options, please go to: http://engineering.asu.edu/semte/materials_B.html.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Mechanical Engineering, BSE

Ira A. Fulton Schools of Engineering

Tempe campus
ESMAEMBSE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ASU 101-MAE and FSE 100 required for freshmen and should be completed first semester. • Non-freshmen see Advisor for petitioning replacement electives. • If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-MEE: The ASU Experience OR ASU 101-MAE: The ASU Experience	1		
FSE 100: Introduction to Engineering	2	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 242: Elementary Linear Algebra	2	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAE 212: Engineering Mechanics	4	C	
 MAT 275: Modern Differential Equations (MA)	3	C	
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
 PHY 132: University Physics Laboratory II (SQ)	1	C	
MAE 215: Introduction to Programming in MATLAB	1	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
 Minimum 2.00 GPA ASU Cumulative.			
 Complete MAT 265 AND CHM 114 OR CHM 116 AND MAT 266 AND PHY 121 AND PHY 122 AND MAE 212 AND MAT 275 AND PHY 131 AND PHY 132 AND ENG 102 OR ENG 105 OR ENG 108 AND MAT 242 course(s).			
Term hours subtotal:	15		
Term 4 47 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAE 213: Solid Mechanics	3	C	
 MAE 240: Thermofluids I	4	C	
EEE 202: Circuits I	4	C	
MAE 214: Computer-Aided Engineering I	1	C	
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C	
Term hours subtotal:	15		
Term 5 62 - 77 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
MAE 301: Applied Experimental Statistics	3	C	
 MEE 322: Structural Mechanics OR MAE 322: Structural Mechanics	4	C	
MEE 340: Thermofluids II OR MAE 340: Thermofluids II	3	C	
MSE 250: Structure and Properties of Materials	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	16		
Term 6 78 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MEE 342: Principles of Mechanical Design OR MAE 342: Principles of Mechanical Design	3	C	
MAE 318: System Dynamics and Control	5	C	
MEE 323: Computer-Aided Engineering II OR MAE 323: Computer-Aided Engineering II	2	C	
MAE 400: Engineering Profession (L)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		

Term hours subtotal: 16

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
MEE 491: Experimental Mechanical Engineering (L) OR MAE 491: Experimental Mechanical Engineering (L)	3	C	For a list of Upper Division Technical Elective course options, please go to: http://engineering.asu.edu/semte/mechanical_B.html .
★ MEE 488: Mechanical Engineering Design I OR MAE 488: Mechanical Engineering Design I	3	C	
Elective	3		
Complete 2 courses: Upper Division Technical Elective	6	C	
Term hours subtotal:		15	

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MEE 489: Mechanical Engineering Design II OR MAE 489: Mechanical Engineering Design II	3	C	• For a list of Upper Division Technical Elective course options, please go to: http://engineering.asu.edu/semte/mechanical_B.html .
Upper Division Technical Elective	3	C	
Upper Division Thermo-Fluids Technical Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:		12	

- For a list of Elective course options or Upper Division Technical Elective course options, please go to:
http://engineering.asu.edu/semte/mechanical_B.html.

Upper Division Thermo-Fluids Technical Electives

MAE 360: Aerodynamics (L)
MAE 362: High-Speed Aerodynamics (L)
MAE 434: Internal Combustion Engines
MAE 471: Computational Fluid Dynamics
MAE 482: Thermodynamics
MAE 463: Aircraft Propulsion
MAE 465: Rocket Propulsion

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Mechanical Engineering (Computational Mechanics), BSE

Ira A. Fulton Schools of Engineering

Tempe campus
ESMAECBSE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ASU 101-MAE and FSE 100 required for freshmen and should be completed first semester. • Non-freshmen see Advisor for petitioning replacement electives. • If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-MEE: The ASU Experience OR ASU 101-MAE: The ASU Experience	1		
FSE 100: Introduction to Engineering	2	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 242: Elementary Linear Algebra	2	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming with Java (CS)	3	C	
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

❗ MAE 212: Engineering Mechanics	4	C
❗ MAT 275: Modern Differential Equations (MA)	3	C
❗ PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C
❗ PHY 132: University Physics Laboratory II (SQ)	1	C
MAE 214: Computer-Aided Engineering I	1	C
MAT 267: Calculus for Engineers III (MA)	3	C
❗ Minimum 2.00 GPA ASU Cumulative.		
Complete MAT 265 AND CHM 114 OR CHM 116 AND PHY 121 AND PHY 122 AND MAT 266 AND MAE 212 AND PHY 131 AND PHY 132 AND MAT 275 AND ENG 102 OR ENG 105 OR ENG 108 AND MAT 242 course(s).		
Term hours subtotal:	15	

Term 4 47 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MAE 213: Solid Mechanics	3	C	
❗ MAE 240: Thermofluids I	4	C	
EEE 202: Circuits I	4	C	
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C	
Elective	1		
Term hours subtotal:	15		

Term 5 62 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
MAE 301: Applied Experimental Statistics	3	C	
★ MEE 322: Structural Mechanics OR MAE 322: Structural Mechanics	4	C	
MEE 340: Thermofluids II OR MAE 340: Thermofluids II	3	C	
MSE 250: Structure and Properties of Materials	3	C	
PHI 103: Principles of Sound Reasoning (L or HU)	3		
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
MAE 318: System Dynamics and Control	5	C	
★ MEE 342: Principles of Mechanical Design OR MAE 342: Principles of Mechanical Design	3	C	
MEE 323: Computer-Aided Engineering II OR MAE 323: Computer-Aided Engineering II	2	C	
MAE 400: Engineering Profession (L)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Global Awareness (G) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	16		

Term 7 94 - 108 Credit Hours Necessary course	Minimum

signified by ★	Hours	Grade	Notes
★ MEE 488: Mechanical Engineering Design I OR MAE 488: Mechanical Engineering Design I	3	C	For a list of Upper Division Technical Elective course options, please go to: http://engineering.asu.edu/semte/mechanical_B.html.
MEE 491: Experimental Mechanical Engineering (L) OR MAE 491: Experimental Mechanical Engineering (L)	3	C	
Complete 2 courses: Upper Division Technical Elective	6	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours signified by ★	Hours	Minimum Grade	Notes
★ MEE 489: Mechanical Engineering Design II OR MAE 489: Mechanical Engineering Design II	3	C	For a list of Upper Division Technical Elective course options, please go to: http://engineering.asu.edu/semte/mechanical_B.html.
AEE 471: Computational Fluid Dynamics OR MAE 471: Computational Fluid Dynamics	3	C	
Upper Division Technical Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12		

- For a list of Upper Division Technical Elective course options, please go to: http://engineering.asu.edu/semte/mechanical_B.html.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Mechanical Engineering (Energy and Environment), BSE

Ira A. Fulton Schools of Engineering

Tempe campus
ESMAEEBSE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 114: General Chemistry for Engineers (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ASU 101-MAE and FSE 100 required for freshmen and should be completed first semester. Non-freshmen see Advisor for petitioning replacement electives. • If ENG 105 taken, a 3 hr applicable elective must also be taken prior to graduation. See Advisor.
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
ASU 101-MEE: The ASU Experience OR ASU 101-MAE: The ASU Experience	1		
FSE 100: Introduction to Engineering	2	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 242: Elementary Linear Algebra	2	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
 PHY 122: University Physics Laboratory I (SQ)	1	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Minimum 2.00 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Minimum

Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Grade	Notes
 MAE 212: Engineering Mechanics	4	C	
 MAT 275: Modern Differential Equations (MA)	3	C	
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
 PHY 132: University Physics Laboratory II (SQ)	1	C	
MAE 215: Introduction to Programming in MATLAB	1	C	
MAT 267: Calculus for Engineers III (MA)	3	C	
 Minimum 2.00 GPA ASU Cumulative.			
 Complete MAT 265 AND CHM 114 OR CHM 116 AND PHY 121 AND PHY 122 AND MAT 266 AND MAE 212 AND PHY 131 AND PHY 132 AND MAT 275 OR ENG 102 OR ENG 105 OR ENG 108 AND MAT 242 course(s).			
Term hours subtotal:	15		

Term 4 47 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAE 213: Solid Mechanics	3	C	
 MAE 240: Thermofluids I	4	C	
EEE 202: Circuits I	4	C	
MAE 214: Computer-Aided Engineering I	1	C	
MAE 384: Advanced Mathematical Methods for Engineers (CS)	3	C	
Term hours subtotal:	15		

Term 5 62 - 77 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
MAE 301: Applied Experimental Statistics	3	C	
MEE 322: Structural Mechanics OR MAE 322: Structural Mechanics	4	C	
 MEE 340: Thermofluids II OR MAE 340: Thermofluids II	3	C	
CHM 231: Elementary Organic Chemistry (SQ)	3	C	
MSE 250: Structure and Properties of Materials	3	C	
Term hours subtotal:	16		

Term 6 78 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MAE 318: System Dynamics and Control	5	C	For a list of Upper Division Technical Elective course options, please go to: http://engineering.asu.edu/semte/mechanical_B.html .
MEE 342: Principles of Mechanical Design OR MAE 342: Principles of Mechanical Design	3	C	
MEE 323: Computer-Aided Engineering II OR MAE 323: Computer-Aided Engineering II	2	C	
MAE 400: Engineering Profession (L)	3	C	
Upper Division Technical Elective	3	C	
Term hours subtotal:	16		

Term 7 94 - 108 Credit Hours Necessary course signified	Minimum

by ★	Hours	Grade	Notes
★ MEE 482: Thermodynamics OR MAE 482: Thermodynamics	3	C	For a list of Upper Division Technical Elective course options, please go to: http://engineering.asu.edu/semte/mechanical_B.html .
GPH 314: Global Change (HU & G)	3		
MEE 491: Experimental Mechanical Engineering (L) OR MAE 491: Experimental Mechanical Engineering (L)	3	C	
Upper Division Technical Elective	3	C	
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 8	109 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MEE 446: Energy Systems Design OR MAE 446: Energy Systems Design			3	C	
GCU 364: Energy in the Global Arena (SB & G) OR PUP 190: Sustainable Cities ((HU or SB) & G)			3		
Complete 2 courses: Upper Division Energy and Environment Technical Elective			6	C	
Term hours subtotal:			12		

- For a list of Upper Division Technical Elective course options, please go to: http://engineering.asu.edu/semte/mechanical_B.html.

Upper Division Energy and Environment Technical Electives

ATE 521: Building Environmental Science

ATE 560: Building Energy Analysis

ATE 582: Environmental Control Systems

BIO 320: Fundamentals of Ecology

CEE 361: Introduction to Environmental Engineering

CHM 302: Environmental Chemistry

EEE 360: Energy Systems and Power Electronics

EEE 460: Nuclear Power Engineering

EEE 463: Electrical Power Plants

MAE 434: Internal Combustion Engines

MSE 460: Nanomaterials in Energy Production and Storage

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

Total Community College Hrs: 64
maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Pre-Engineering - Engineering
 Ira A. Fulton Schools of Engineering
 TSEGRPRE

This program is not currently accepting applications.

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CTI 101: Success in Technology & Innovation	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • CTI 101 required of all freshman students
 MAT 110: Enhanced Freshman Mathematics	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
TMC 110: Understanding the Enterprise	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	13		
Term 2 14 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA)	3	C	
BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)	4		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	
 EGR 101: Foundations of Engineering Design Project I	3		
 MAT 170: Precalculus (MA)	3	C	
EGR 240: CADD and Solid Modeling	3		
TEM 230: Creativity and Business Innovation	3		
Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 46 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II	3		
 EGR 104: Critical Inquiry in Engineering (L)	3		
 EGR 218: Materials and Manufacturing Processes	3		
 EGR 219: Computational Modeling of Engineering Systems	3		
 MAT 265: Calculus for Engineers I (MA)	3	C	
Term hours subtotal:	15		

Total Hours: 60

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Pre-Engineering - Software

Ira A. Fulton Schools of Engineering
TSEGRPRE

This program is not currently accepting applications.

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CTI 101: Success in Technology & Innovation	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • CTI 101 required of all freshman students
 CST 100: Object-Oriented Software Development	3	C	
 IFT 100: Multimedia, the Internet and the Web	3	C	
 MAT 110: Enhanced Freshman Mathematics	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	16		
Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CST 200: Core Data Structures with Object Oriented Programming	3	C	
 MAT 117: College Algebra (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 170: Precalculus (MA)	3	C	
IFT 200: Information Modeling, Storage and Retrieval	3		
IFT 201: Computer and Network Systems: Organization and Administration	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	
 SER 232: Computer Systems Fundamentals I (CS)	3		
EGR 104: Critical Inquiry in Engineering (L)	3		
IFT 202: Foundations of Information and Computer System Security	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		

Total Hours: 63

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Product Development and Manufacturing Technology, BS

Ira A. Fulton Schools of Engineering

Polytechnic campus

TSMETBS

This program is not currently accepting applications.

Term 1 0 - 14 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)		4		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • CTI 101 required of all freshman students
 CTI 101: Success in Technology & Innovation		1		
 EGR 101: Foundations of Engineering Design Project I		3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
MAT 170: Precalculus (MA)		3		
Term hours subtotal:		14		
Term 2 15 - 29 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 EGR 102: Foundations of Engineering Design Project II		3		
 PSY 101: Introduction to Psychology (SB)		3	C	
 TMC 110: Understanding the Enterprise		3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Focus Area A		3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Complete CHM 113 course(s).				
Term hours subtotal:		15		
Term 3 30 - 44 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
EGR 218: Materials and Manufacturing Processes		3		
 EGR 240: CADD and Solid Modeling		3		
 TEM 230: Creativity and Business Innovation		3		
PSY 230: Introduction to Statistics (CS)		3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)		3		

 Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 45 - 61 Credit Hours **Critical course signified by**

Hours **Minimum Grade** **Notes**

PSY 290: Research Methods (L or SG)

4

 TEM 250: Design Methodology

3

Focus Area B

3

Humanities, Arts and Design (HU) AND Historical Awareness (H)

3

Natural Science - General (SG) OR
Natural Science - Quantitative (SQ)

4

Term hours subtotal: 17

Term 5 62 - 76 Credit Hours **Necessary course signified by**

Hours **Minimum Grade** **Notes**

 TMC 330: Leading the Enterprise

3

Upper Division Focus Area A

3

Upper Division Focus Area B

3

Social-Behavioral Sciences (SB) AND Global Awareness (G)

3

PSY 360: Cognitive Science

3

Term hours subtotal: 15

Term 6 77 - 91 Credit Hours **Necessary course signified by**

Hours **Minimum Grade** **Notes**

TMC 310: Promotion of the Enterprise

3

TMC 320: Funding the Enterprise

3

 TMC 331: Quality Assurance

3

Upper Division Focus Area A

3

Upper Division Focus Area B

3

Term hours subtotal: 15

Term 7 92 - 106 Credit Hours **Necessary course signified by**

Hours **Minimum Grade** **Notes**

 PSY 437: Human Factors (L)

3

Upper Division Focus Area A

3

Upper Division Focus Area B

3

TMC 470: Enterprise Planning and Implementation

3

TMC 480: Senior Project

3

Term hours subtotal: 15

Term 8 107 - 120 Credit Hours **Necessary course signified by**

Hours **Minimum Grade** **Notes**

 Upper Division Focus Area A

3

 Upper Division Focus Area B

3

Complete 2 courses: Elective	5

Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3

Term hours subtotal:	14

- Students must complete 2 focus areas (15 hours each)

Selection of the Prototyping focus area requires the student to take MAT 170 as a prerequisite for subsequent courses within the track group.

Focus Area: Operations Management Technology

OMT 343: Occupational Safety and Ergonomics

TMC 410: Enterprise Operations

TMC 430: Enterprise Strategy and Innovation

OMT 480: Organizational Effectiveness

OMT 452: Industrial Human Resource Management

TEM 460: Lean Six Sigma Green Belt Certification

TEM 400: Technology Entrepreneurship

OMT 402: Legal Issues for Technologists

Focus Area: Prototyping

MAT 265: Calculus for Engineers I (MA)

MET 309: Nondestructive Testing and Quality Assurance

MET 302: Welding Survey

MET 341: Manufacturing Analysis

MET 344: Casting and Forming Processes

MET 345: Advanced Manufacturing Processes

MET 444: Production Tooling

Focus Area: User Experience

GIT 135: Graphic Communications

PSY 304: Effective Thinking (L)

PSY 323: Sensation and Perception

PSY 324: Memory and Cognition

PSY 350: Social Psychology (SB)

TWC 411: Principles of Visual Communication (L)

PSY 438: Human-Computer Interaction

PSY 439: Training and Skill Acquisition

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Software Engineering, BS**

Ira A. Fulton Schools of Engineering
TSSERBS

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CST 100: Object-Oriented Software Development	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • CTI 101 required of all freshman students
 CTI 101: Success in Technology & Innovation	1		
 MAT 265: Calculus for Engineers I (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	13		

Term 2 14 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CST 200: Core Data Structures with Object Oriented Programming	3	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
 SER 232: Computer Systems Fundamentals I (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 243: Discrete Mathematical Structures	3		
 SER 215: Software Enterprise I: Personal Process	3	C	
 SER 221: Programming Languages and Their Execution Environment	3	C	
EGR 280: Engineering Statistics (CS)	3		
Social-Behavioral Sciences (SB)	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 59 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CST 250: Microcomputer Architecture and Programming	3		
 MAT 267: Calculus for Engineers III (MA) OR MAT 275: Modern Differential Equations (MA)	3		
 SER 216: Software Enterprise II: Testing & Quality	3	C	
 SER 222: Design and Analysis of Data Structures and Algorithms	3	C	
 SER 234: Operating Systems and Networks	3		
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CST 315: Software Enterprise I: Tools and Process	3		
HST 318: History of Engineering ((L or SB) & G)	3		
 SER 321: Principles of Distributed Software Systems	3		
Secondary Focus Area	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CST 316: Software Enterprise II: Construction and Transition	3		
 EGR 104: Critical Inquiry in Engineering (L)	3	C	
MAT 343: Applied Linear Algebra	3		
Upper Division Primary Focus Area	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CST 415: Software Enterprise III: Inception and Elaboration (L)	3		Any course with MA, SQ, or SG general studies designation OR any course with a math or science prefix/subject fulfills the math or science elective.
 SER 401: Computing Capstone Project I	3		
Upper Division Primary Focus Area	3	C	
Upper Division Secondary Focus Area	3		
MAT Elective OR Natural Science - General (SG) OR Natural Science - General (SG)	3-4		
Term hours subtotal:	15-16		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CST 416: Software Enterprise IV: Project and Process Management	3		
 SER 402: Computing Capstone Project II	3		

Upper Division Primary Focus Area	3	C
Upper Division Secondary Focus Area	3	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3	
Term hours subtotal:	15	

- Students select both a primary and secondary focus area. The primary focus areas are Web and Mobile Applications, Graphics and Game Development, or Embedded Systems.
- A secondary focus area is a group of courses comprising of 9 or more credit hours which form a coherent theme. Students may use a second primary focus track for their Secondary Focus requirement. Students work with an academic success specialist to identify their secondary focus area.

Primary Focus Area: Embedded Systems

CST 456: Embedded Interfaces: Sensors and Actuators

CST 450: Computer Architecture

CST 486: Embedded C Programming

Primary Focus Area: Web and Mobile Applications

SER 322: Principles of Database Management

SER 421: Web-Based Applications and Mobile Systems

SER 422: Web Application Programming

Primary Focus Area - Graphics and Game Development

SER 332: Introduction to Graphics and Game Development

SER 431: Advanced Graphics

SER 432: Game Engine Architecture

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Software Engineering, BS**

Ira A. Fulton Schools of Engineering
Online
TSSERBS

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CTI 101: Success in Technology & Innovation	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Mathematics Placement Test score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	7		
Term 1 - B 8 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CST 100: Object-Oriented Software Development I	3	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
Term hours subtotal:	6		
Term 2 - A 14 - 22 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CST 200: Core Data Structures with Object Oriented Programming	3	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	9		
Term 2 - B 23 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SER 232: Computer Systems Fundamentals I (CS)	3	C	
PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 30 - 38 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

❗ SER 215: Software Enterprise I: Personal Process	3	C
❗ MAT 243: Discrete Mathematical Structures	3	C
EGR 280: Engineering Statistics (CS)	3	
Term hours subtotal:	9	

Term 3 - B 39 - 44 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ SER 221: Programming Languages and Their Execution Environment	3	C	
Social-Behavioral Sciences (SB)	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 45 - 53 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
CST 250: Microcomputer Architecture and Programming	3		
❗ SER 222: Design and Analysis of Data Structures and Algorithms	3	C	
❗ SER 234: Operating Systems and Networks	3		
Term hours subtotal:	9		

Term 4 - B 54 - 59 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ MAT 267: Calculus for Engineers III (MA) OR MAT 275: Modern Differential Equations (MA)	3		
❗ SER 216: Software Enterprise II: Testing & Quality	3	C	
Term hours subtotal:	6		

Term 5 - A 60 - 66 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SER 321: Principles of Distributed Software Systems	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 5 - B 67 - 72 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CST 315: Software Enterprise I: Tools and Process	3		
HST 318: History of Engineering ((L or SB) & G)	3		
Term hours subtotal:	6		

Term 6 - A 73 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CST 316: Software Enterprise II: Construction and Transition	3		
★ EGR 104: Critical Inquiry in Engineering (L)	3	C	
MAT 343: Applied Linear Algebra	3		
Term hours subtotal:	9		

Term 6 - B 82 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SER 322: Principles of Database Management	3	C	
Secondary Focus Area	3		
Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	9		

Term 7 - A 91 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SER 421: Web-Based Applications and Mobile Systems	3	C	Any course with MA, SQ, or SG general studies designation OR any course with a math or science prefix/subject fulfills the math or science elective
Upper Division Secondary Focus Area	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG) OR MAT Elective	3		
Term hours subtotal:	9		

Term 7 - B 100 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CST 415: Software Enterprise III: Inception and Elaboration (L)	3		
★ SER 401: Computing Capstone Project I	3		
Term hours subtotal:	6		

Term 8 - A 106 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CST 416: Software Enterprise IV: Project and Process Management	3		
★ SER 402: Computing Capstone Project II	3		
Term hours subtotal:	6		

Term 8 - B 112 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SER 422: Web Application Programming	3	C	
Upper Division Secondary Focus Area	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	9		

- Secondary Focus Area: A secondary focus area is a group of courses comprising of 9 or more credit hours which form a coherent theme. For example, all courses may share a common subject prefix. Students may work with an academic success specialist to identify their secondary focus area from Graphic Information Technology (GIT), Technological Entrepreneurship and Management (TEM), or Industrial and Organizational Psychology (PSY).

Secondary Focus Area

GIT

PSY

TEM

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Technological Entrepreneurship and Management, BS

Ira A. Fulton Schools of Engineering

TSTEMBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CTI 101: Success in Technology & Innovation	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • CTI 101 required of all freshman students
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
 TEM 100: Seminar in Entrepreneurship	1	C	
 TMC 110: Understanding the Enterprise	3	C	
Term hours subtotal:	15		

Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TEM 200: My Technology Venture	3	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
EDT 180: Problem Solving using Digital Technology Applications (CS)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
PSY 230: Introduction to Statistics (CS)	3	C	
 TEM 230: Creativity and Business Innovation	3	C	
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 47 - 62 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
PSY 290: Research Methods (L or SG)	4	C	
⚠ TEM 250: Design Methodology	3		
Complete 2 courses: Elective	6		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		
Term 5 63 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
PSY 304: Effective Thinking (L)	3	C	
★ TMC 320: Funding the Enterprise	3	C	
★ TMC 330: Leading the Enterprise	3	C	
Complete 2 courses: Focus Area	6	C	
Term hours subtotal:	15		
Term 6 78 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TEM 400: Technology Entrepreneurship	3	C	
TMC 310: Promotion of the Enterprise	3	C	
★ TMC 410: Enterprise Operations	3	C	
Upper Division Focus Area	3	C	
Elective	3		
Term hours subtotal:	15		
Term 7 93 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OMT 430: Ethical Issues in Technology	3	C	
★ TMC 430: Enterprise Strategy and Innovation	3	C	
TEM 460: Lean Six Sigma Green Belt Certification OR ★ TEM 480: Focus Area Project OR TEM 481: Consulting Project OR TEM 482: Startup Workshop	3		
Upper Division Focus Area	3	C	
Elective	2		
Term hours subtotal:	14		
Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
TEM 460: Lean Six Sigma Green Belt Certification OR ★ TEM 480: Focus Area Project OR TEM 481: Consulting Project OR TEM 482: Startup Workshop	3		
Upper Division Focus Area	3	C	

Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G) OR Upper Division Social-Behavioral Sciences (SB) AND Global Awareness (G)	3
Upper Division Elective	3
Elective	2
Term hours subtotal:	14

- Select 5 courses from one of the following Focus Groups

Focus Area: Product Development
AGB 422: Consumer Behavior
MET 160: CADD and Solid Modeling
OMT 343: Occupational Safety and Ergonomics
PSY 306: Environmental Psychology (SB)
PSY 437: Human Factors (L)
PSY 438: Human-Computer Interaction
Focus Area: Social Entrepreneurship
ABS 270: Sustainable Biological Systems
AGB 422: Consumer Behavior
PSY 306: Environmental Psychology (SB)
TEM 330: Systems Innovation
TEM 450: Design for the Developing World
TEM 455: Global Impact Entrepreneurship
Focus Area: Operations Management and Process Innovation
OMT 343: Occupational Safety and Ergonomics
PSY 330: Statistical Methods (CS)
TEM 311: Opportunity Analysis
TEM 330: Systems Innovation
TEM 455: Global Impact Entrepreneurship
TEM 460: Lean Six Sigma Green Belt Certification
TMC 331: Quality Assurance
Focus Area: Consumer Behavior
AGB 422: Consumer Behavior
AGB 429: Marketing Research
OMT 452: Industrial Human Resource Management
PSY 306: Environmental Psychology (SB)

PSY 330: Statistical Methods (CS)

PSY 350: Social Psychology (SB)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Technological Entrepreneurship and Management, BS

Ira A. Fulton Schools of Engineering

Online

TSTEMBS

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CTI 101: Success in Technology & Innovation	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Mathematics Placement Test score determines placement into Mathematics course • ASU 101 or College Specific equivalent First Year Seminar required of freshman students only
 TMC 110: Understanding the Enterprise	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 8 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TEM 100: Seminar in Entrepreneurship	1	C	
MAT 170: Precalculus (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	8		
Term 2 - A 16 - 21 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		
Term 2 - B 22 - 27 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TEM 200: My Technology Venture	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 28 - 34 Credit Hours	Hours	Minimum Grade	Notes

CSE 180: Computer Literacy (CS)	3
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
Term hours subtotal:	7

Term 3 - B 35 - 43 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	
 TEM 230: Creativity and Business Innovation	3	C	
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	9		

Term 4 - A 44 - 53 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TEM 250: Design Methodology	3		
Social-Behavioral Sciences (SB)	3		
Elective	4		
Term hours subtotal:	10		

Term 4 - B 54 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 290: Research Methods (L or SG)	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	7		

Term 5 - A 61 - 69 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TMC 320: Funding the Enterprise	3	C	
PSY 304: Effective Thinking (L)	3	C	
TEM 311: Opportunity Analysis OR PSY 350: Social Psychology (SB)	3		
Term hours subtotal:	9		

Term 5 - B 70 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TMC 330: Leading the Enterprise	3	C	
TEM 431: Innovation Management OR TEM 330: Systems Innovation OR TMC 331: Quality Assurance	3		
Elective	3		
Term hours subtotal:	9		

Term 6 - A 79 - 84 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TEM 400: Technology Entrepreneurship	3	C	

TMC 310: Promotion of the Enterprise	3	C
Term hours subtotal:	6	

Term 6 - B 85 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TMC 410: Enterprise Operations	3	C	
TEM 431: Innovation Management OR TEM 330: Systems Innovation OR TMC 331: Quality Assurance	3		
Elective	3		
Term hours subtotal:	9		

Term 7 - A 94 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TEM 401: Focus Area Project I	3	C	
OMT 402: Legal Issues for Technologists	3		
Term hours subtotal:	6		

Term 7 - B 100 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TMC 430: Enterprise Strategy and Innovation	3	C	
TEM 431: Innovation Management OR TEM 330: Systems Innovation OR TMC 331: Quality Assurance	3		
Elective	3		
Term hours subtotal:	9		

Term 8 - A 109 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TEM 402: Focus Area Project II	3	C	
TEM 311: Opportunity Analysis OR PSY 350: Social Psychology (SB)	3		
Term hours subtotal:	6		

Term 8 - B 115 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Elective	3		
Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G) OR Upper Division Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	6		

Total Hours: 120
Upper Division Hours: 45 minimum

General University Requirements Legend
General Studies Core Requirements:

General Studies Awareness Requirements:
• Cultural Diversity in the U.S. (C)

Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

The BAS degree with a concentration in food service management is designed to complement and enhance the educational preparation of students holding an AAS degree in culinary or hospitality science. The degree prepares students for careers in food production, service, management and marketing. With additional education or professional training, students may also become credentialed as certified dietary managers, school food service and nutrition specialists or registered sanitarians.

Admission to the BAS degree program is restricted to students holding an AAS degree from a regionally accredited U.S. postsecondary educational institution and a 2.00 GPA for all resident applicants or a 2.50 GPA for nonresident applicants. This program allows students to transfer in 60 or 75 credits from the community college: (<https://transfer.asu.edu/communitycollege/AZ/scottsdale/aas-bas>).

General Studies (16 Credit Hours)	Hours	Completed
Mathematics (MA)	3	☐
Natural Science - Quantitative (SQ)	4	☐
NTR 100: Introductory Nutrition	3	☐
Humanities, Arts and Design (HU)	3	☐
Social-Behavioral Sciences (SB)	3	☐
BAS Area Core (18 Credit Hours)	Hours	Completed
MGT 380: Management and Strategy for Nonmajors	3	☐
ACC 382: Accounting and Financial Analysis	3	☐
MKT 390: Essentials of Marketing	3	☐
NTR 300: Computer Applications in Nutrition (CS)	3	☐
NTR 344: Nutrition Services Management (L)	3	☐
NTR 351: Nutrition and Health Communications (L) OR ENG 301: Writing for the Professions (L)	3	☐
Food Service Concentration (24 Credit Hours)	Hours	Completed
NTR 320: History of Human Nutrition	3	☐
NTR 343: Food Service Purchasing	3	☐
NTR 345: Development of Healthy Cuisines	3	☐
NTR 348: Cultural Aspects of Food (SB & C & G)	3	☐
NTR 401: Field Experience in Food and Nutrition	3	☐
NTR 445: Management of Food Service Systems	3	☐
Complete 2 courses: NTR Upper Division Elective	6	☐
BAS Degree Summary		
AAS Degree Block Transfer		60
General Studies		16
BAS Area Core		18
Food Service Concentration		24
Elective		2
Total Credit Hours		120

Curriculum Check Sheet

Note: ASU does not regard the AAS-to-BAS as a traditional transfer degree, so special provisions apply:

- a) The AAS degree holder (the student) will be admitted only to the BAS program specified, e.g. Health Sciences. Only those students with a regionally accredited AAS from an approved (articulated) Health/Health Technology program are eligible for this degree.
- b) The institution from which the student received his/her AAS degree must be regionally accredited. A foreign institution must be approved and recognized as a post-secondary institution by the Ministry of Education or other governmental authorities.
- c) All courses applied toward completion of the AAS must have been completed with a grade of C or higher. ASU will not accept courses with a grade of D.
- d) A block of up to 60 credit hours will be accepted for transfer with the completed AAS from an approved (articulated) Health/Health Technology program. Students must confirm with the institution granting the AAS that it has an articulation agreement with ASU in place for the BAS in Health Science.
- e) A minimum of 60 credit hours for the BAS degree must be completed at ASU. If the AAS degree is earned with fewer than 60 credit hours, the student must complete additional credit hours at ASU, so that the total credit hours of the AAS and BAS degrees are at least 120.
- f) After admission to ASU, if a student wishes to transfer out of the BAS program into another program at ASU, the agreement to accept a block of up to 60 transfer credit hours from the AAS degree shall be void and no longer in effect. The student's transcript will be evaluated course-by-course and only transferrable courses will be accepted.

BAS Degree Summary

A.A.S. Degree Block Transfer	60 Hrs.
ASU General Studies	22-25 Hrs.
B.A.S. Health Sciences Area Core	9 Hrs.
Health Sciences Concentration	26-29 Hrs.
TOTAL	120 Hrs.

I. Articulated General Studies Sequence (typically within the AAS degree) (16-19 credits):

The articulated AAS degree must contain the following lower division general studies and foundations course work:

First Year Composition (6 hrs)	6 Hrs.
Humanities (selected from AGECE list) (3 hrs)	3 Hrs.
Social & Behavioral Sciences (selected from AGECE list) (3 hrs)	3 Hrs.
Natural Sciences (Selected from AGECE list) (4 hrs)	4 Hrs.
Mathematics (0-3 hrs). If not completed in the AAS, this requirement will be included as part of the 60-units completed as ASU in order to meet ASU GS requirement	0-3 Hrs.

All courses used for General Studies within the AAS must satisfy AGECE (Arizona General Education Curriculum) criteria (or an equivalent articulated general studies transfer pattern) with the exception of mathematics.

II. ASU General Studies Sequence (22-25 credits):

Within General Studies or other courses, student must meet Global Awareness, Historical Awareness, Cultural Diversity, and Literacy course requirements of ASU.

Requirement	Recommended Courses	Hrs.	Completed
<u>Mathematical Studies (MA)</u>	Must meet AGECE MA criteria.	3	☐
<u>Mathematical Studies: (CS)</u>	Upper division statistics course: <u>ABS 350 Applied Statistics (CS)</u> OR <u>SBS 304 Social Statistics I (CS)</u> OR <u>SOC 390 Social Statistics I (CS)</u> OR <u>SWU 321 Statistics for Social Workers (CS)</u> OR <u>STP 420 Introduction to Applied Statistics (CS)</u>	3	☐
<u>Literacy & Critical Inquiry (L) AND Upper Division Literacy & Critical Inquiry (L)</u>	Complete at least 1 course: <u>TWC 301 General Principles of Multimedia Writing (L)</u> OR Equivalent Upper Division (L) course (recommended: <u>ENG 301 Writing for the Professions (L)</u> or <u>ENG 302 Business Writing (L)</u>)	3 - 6	☐
<u>Natural Science -- Quantitative (SQ)</u>		4	☐
<u>Humanities, Arts and Design (HU)</u>	<u>HSC 320 Applied Medical/Health Care Ethics (HU)</u> OR Equivalent Upper Division (HU) course (Recommended: <u>PHI 306 Applied Ethics (HU)</u> or <u>PHI 406 Moral Dilemmas (L or HU)</u> or <u>REL 381 Religion and Moral Issues (L or HU)</u>)	3	☐
<u>Social-Behavioral Sciences (SB)</u>	<u>NTR 350 Nutrition Counseling (SB)</u> OR Equivalent Upper Division (SB) course (Recommended: <u>COM 316 Gender and Communication (SB & C)</u> or <u>SOC 352 Social Change (SB & G & H)</u>)	3	☐
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	<u>NTR 450 Nutrition in the Life Cycle I (SB)</u> OR <u>ALD 420 Health Issues and Older Adults (SB)</u> OR Equivalent Upper Division (HU or SB) course (Recommended: <u>CDE 430 Infant/Toddler Development in the Family (SB)</u> or <u>EDP 313 Childhood and Adolescence (SB)</u> or <u>SOC 427 Sociology of Health and Illness (SB)</u>)	3	☐

III. BAS Health Sciences Area Core (9 credits)

Courses	Hrs.	Completed
<u>EXW 302 Fundamentals of Wellness (L)</u>	3	☐
<u>HSC 300 Complementary Health Care</u>	3	☐
<u>HSC 420 Evaluation of Health Sciences Research</u>	3	☐

IV. Health Sciences Concentration (26-29 credits): Select from the following.

Professional Communication and Education: (Select at least 9 credits)		
Course(s)	Hrs.	Completed
<u>AFS 380: Health Issues in the African American Community</u>	3	☐
<u>COM 316: Gender and Communication (SB & C)</u>	3	☐
<u>COM 371: Language, Culture, and Communication (SB & C & G)</u>	3	☐
<u>COM 410: Interpersonal Communication Theory and Research (SB)</u>	3	☐
<u>EXW 446: Health Promotion and Program Evaluation</u>	3	☐
<u>HSC 340: Changing Health Behaviors</u>	3	☐
<u>NTR 300: Computer Applications in Nutrition (CS)</u>	3	☐
<u>NTR 350: Nutrition Counseling (SB)</u>	3	☐
<u>NTR 351: Nutrition and Health Communications (L)</u>	3	☐
<u>NTR 453: Nutrition and the Media</u>	3	☐
<u>PSY 320: Learning and Motivation</u>	3	☐
<u>TWC 401: Principles of Technical Communication (L)</u>	3	☐
<u>TWC 411: Principles of Visual Communication (L)</u>	3	☐
<u>TWC 446: Technical and Scientific Reports (L)</u>	3	☐

Vulnerable Populations: (Select at least 6 credits)		
Courses	Hrs.	Completed
ASB 321: Indians of the Southwest ((L or SB) & H & C)	3	☐
ASB 342: Mexico-U.S. Borderlands (SB & C)	3	☐
ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) or SOC 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G)	3	☐
EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C)	3	☐
FAS 370: Family Ethnic and Cultural Diversity (SB & C)	3	☐
HSC 410: Supporting the Health of Older Adults	3	☐
HSC 412: Health Issues in Later Life	3	☐
HST 325: Immigration and Ethnicity in the United States (SB & H & C)	3	☐
NTR 348: Cultural Aspects of Food (SB & C & G)	3	☐
SOC 418: Aging and the Life Course (SB & H)	3	☐
SOC 424: Women and Health (SB)	3	☐
SOC 427: Sociology of Health and Illness (SB)	3	☐
SSH 301: Global History of Health (SB & H)	3	☐
SSH 404: Medical Anthropology: Culture and Health (SB & C)	3	☐
TCL 321: Transborder Community Development and Health	3	☐
TCL 323: Latino Health Issues (SB & C)	3	☐
TCL 326: Health of Chicanas and Latinas (SB & C)	3	☐
TCL 327: Health and Migration (SB)	3	☐
TCL 422: U.S.-Mexico Border Health	3	☐
WST 300: Women and Gender in Contemporary Society (SB & C)	3	☐
WST 394: Women and International Health	3	☐

Policy and Organizations: (No minimum required)		
BIO 494: Current Issues in US Public	1-4	☐
MGT 310: Collaborative Team Skills	3	☐
POS 325: Public Policy Development (SB)	3	☐
PSY 458: Group Dynamics	3	☐

Concentration Check sheet (26-29 credits)

Professional Communication and Education	Hrs.	Completed
	3	☐
	3	☐
	3	☐
<u>Vulnerable Populations</u>		
	3	☐
	3	☐
<u>Remaining Course Selections</u>		
	3	☐
	3	☐
	3	☐
	2-5	☐

2014 - 2015 Major Map Biomedical Informatics, BS

College of Health Solutions

Tempe campus
ESBMIBS

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASU 101: The ASU Experience	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Mathematics Placement Test score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 BMI 101: Introduction to Bioinformatics	3	B	
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	13		

Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)	4	B-	
 BMI 102: Introduction to Public Health/Imaging Informatics	3	B	
 CSE 110: Principles of Programming with Java (CS)	3	B-	
CHM 113: General Chemistry I (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)	4	B-	
 BMI 201: Introduction to Clinical Informatics	3	B-	
 MAT 243: Discrete Mathematical Structures	3	C	
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	
STP 226: Elements of Statistics (CS)	3	C	
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 47 - 62 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	B-	
 BMI 211: Modeling Biomedical Decisions	3	B-	
 BMI 221: Knowledge Representation for Biomedical Informatics	3	B-	
CSE 240: Introduction to Programming Languages	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	16		

Term 5 63 - 77 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BMI 301: Clinical Environments	3	C	
BMI 311: Modeling Biomedical Knowledge	3	C	
BMI 332: Team Dynamics for Healthcare IT Projects	3	C	
CSE 310: Data Structures and Algorithms	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 6 78 - 92 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BMI 312: Modeling Biomedical Data	3	C	
BMI 330: Topics in Translational Bioinformatics	3	C	
CSE 360: Introduction to Software Engineering	3	C	
CSE 412: Database Management	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 7 93 - 107 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BMI 461: Advanced Topics in Biomedical Informatics I	3	C	
BMI 482: Capstone I	3	C	
BMI 484: Internship	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BMI 462: Advanced Topics In Biomedical Informatics II	3	C	
BMI 483: Capstone II	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Technical Elective	3	C	
Elective	1		

Technical Elective

CSE 414: Advanced Database Concepts

CSE 459: Logic for Computing Scientists

CSE 463: Introduction to Human
Computer Interaction

CSE 465: Information Assurance

CSE 471: Introduction to Artificial
Intelligence

CSE 476: Introduction to Natural
Language Processing

CSE 494: Cognitive Systems and
Intelligent Agents

BIO 355: Introduction to Computational
Molecular Biology (CS) or MBB 355:
Introduction to Computational Molecular
Biology (CS)

BIO 455: Introduction to Comparative
Genomics or BMI 465: Introduction to
Comparative Genomics

BIO 456: Bioinformatics and Molecular
Evolution or BMI 466: Bioinformatics and
Molecular Evolution

STP 420: Introductory Applied Statistics
(CS)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative
Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Exercise and Wellness (Exercise and Wellness), BS

College of Health Solutions

Downtown Phoenix campus

ECEXWBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ASU 101: The ASU Experience	1		
 EXW 100: Introduction to Health and Wellness (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
EXW 214: Flexibility Instructional Competency Laboratory	2	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	
EXW 218: Cardiovascular Instructional Competency Laboratory	2	C	
NTR 241: Human Nutrition	3	C	
PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SWU 321: Statistics for Social Workers (CS) OR STP 231: Statistics for Life Science (CS)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 15

Term 4 47 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ BIO 202: Human Anatomy and Physiology II (SG)	4	C	
COM 225: Public Speaking (L)	3	C	
EXW 216: Muscular Strength Instructional Competency Laboratory	2	C	
⚠ EXW 290: Foundations of Health Promotion and Wellness (SB)	3	C	
Elective	3		
Term hours subtotal:	15		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 315: Physiological Foundations of Movement AND EXW 316: Physiological Foundations of Movement Laboratory OR EXW 330: Kinesiological Foundations of Movement	4	C	
EXW 320: Management and Leadership in Exercise and Wellness	3	C	
EXW 342: Health Behavior Change	3	C	
Elective	5		
Term hours subtotal:	15		

Term 6 77 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 315: Physiological Foundations of Movement AND EXW 316: Physiological Foundations of Movement Laboratory OR EXW 330: Kinesiological Foundations of Movement	4	C	
EXW 400: Stress Management for Wellness	3	C	
EXW 344: Physical Activity in Health and Disease	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 425: Exercise Prescription	3	C	
EXW 420: Exercise Testing	4	C	
EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	16		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EXW 484: Internship	6	C	
Upper Division Concentration Elective	3	C	
Elective	3		

Concentration Electives

EXW 348: Methods of Health Education

EXW 350: Substance Abuse and Addictive Behavior

EXW 380: Body Image and Wellness

EXW 460: Resistance Training Application and Theory

EXW 494: Special Topics

EXW 499: Individualized Instruction

HSC 300: Complementary Healthcare

HSC 320: Applied Medical/Healthcare Ethics (HU)

HSC 420: Evaluation of Health Sciences Research

KIN 442: Fuel Metabolism

NTR 340: Applications in Human Nutrition

NTR 345: Development of Healthy Cuisines

NTR 348: Cultural Aspects of Food (SB & C & G)

NTR 350: Nutrition Counseling (SB)

NTR 351: Nutrition and Health Communications (L)

NTR 450: Nutrition in the Life Cycle (SB)

NTR 457: Sports Nutrition

PSY 341: Developmental Psychology (SB)

PSY 366: Abnormal Psychology (SB)

Total Hours: 120**Upper Division Hours:** 45 minimum**Major GPA:** 2.00 minimum**Cumulative GPA:** 2.00 minimum**Total hrs at ASU:** 30 minimum**Hrs Resident Credit for****Academic Recognition:** 56 minimum**Total Community College Hrs:** 64 maximum**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Exercise and Wellness (Health Promotion), BS

College of Health Solutions

Downtown Phoenix campus

ECEXWHBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EXW 100: Introduction to Health and Wellness (SB)	3	C	
ASU 101: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	
CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Complete 2 courses: Elective	5		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	
NTR 241: Human Nutrition	3	C	
PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) OR Computer/Statistics/Quantitative Applications (CS)	3	C	
Complete 2 courses: Elective	6		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	
COM 225: Public Speaking (L)	3	C	
EXW 290: Foundations of Health Promotion and Wellness (SB)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		
Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EXW 342: Health Behavior Change	3	C	
EXW 315: Physiological Foundations of Movement	3	C	
EXW 320: Management and Leadership in Exercise and Wellness	3	C	
EXW 400: Stress Management for Wellness	3	C	
EXW 344: Physical Activity in Health and Disease	3	C	
Term hours subtotal:	15		
Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EXW 348: Methods of Health Education	3		
EXW 454: Health Promotion Program Planning and Implementation	3	C	
EXW 350: Substance Abuse and Addictive Behavior	3	C	
EXW 436: Community Health	3	C	
EXW 444: Epidemiology	3	C	
Term hours subtotal:	15		
Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C)	3	C	
 EXW 456: Health Promotion Program Evaluation	3	C	
EXW 466: Health Promotion Program Management and Administration	3	C	
Upper Division Concentration Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		
Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EXW 484: Internship	6	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	12		

Concentration Electives

EXW 380: Body Image and Wellness

EXW 494: Special Topics

EXW 499: Individualized Instruction

FAS 332: Human Sexuality (SB)

HSC 300: Complementary Healthcare

HSC 320: Applied Medical/Healthcare Ethics (HU)

HSC 420: Evaluation of Health Sciences Research

NTR 340: Applications in Human Nutrition

NTR 345: Development of Healthy Cuisines

NTR 348: Cultural Aspects of Food (SB & C & G)

NTR 350: Nutrition Counseling (SB)

NTR 351: Nutrition and Health Communications (L)

NTR 450: Nutrition in the Life Cycle (SB)

NTR 457: Sports Nutrition

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Health Education and Health Promotion, BS

College of Health Solutions

Downtown Phoenix campus
NHHEHPBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EXW 100: Introduction to Health and Wellness (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	
CHM 101: Introductory Chemistry (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Complete 2 courses: Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	
HSC 210: Cultural Aspects of Health (C)	3	C	
NTR 241: Human Nutrition	3	C	
PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3	C	
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Term 4 49 - 65 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

 BIO 202: Human Anatomy and Physiology II (SG)	4	C
COM 225: Public Speaking (L)	3	C
EXW 284: Exercise and Wellness PreInternship	1	C
EXW 290: Foundations of Health Promotion and Wellness (SB)	3	C
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	
Elective	3	
Term hours subtotal:	17	

Term 5 66 - 80 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EXW 342: Health Behavior Change	3	C	
EXW 315: Physiological Foundations of Movement	3	C	
EXW 344: Physical Activity in Health and Disease	3	C	
EXW 400: Stress Management for Wellness	3	C	
EXW 444: Epidemiology	3	C	
Term hours subtotal:	15		

Term 6 81 - 95 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EXW 348: Methods of Health Education	3	C	
EXW 350: Substance Abuse and Addictive Behavior	3	C	
EXW 436: Community Health	3	C	
EXW 456: Health Promotion Program Evaluation	3	C	
EXW 454: Health Promotion Program Planning and Implementation	3	C	
Term hours subtotal:	15		

Term 7 96 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C)	3	C	
EXW 410: Obesity Perspectives and Prescriptions	3	C	
EXW 466: Health Promotion Program Management and Administration	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Elective	1		
Term hours subtotal:	13		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EXW 484: Internship	6	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	12		

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Health Sciences (Health Policy), BS

College of Health Solutions

Downtown Phoenix campus
NUHSCHPBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	- An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses - ASU Math Placement Exam score determines placement in Mathematics course - ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101: The ASU Experience	1		
MAT 142: College Mathematics (MA)	3	C	
Global Awareness (G)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HSC 210: Cultural Aspects of Health (C)	3	C	CHM 101 Introductory Chemistry is recommended if planning to enroll in NTR 241 Human Nutrition in Term 3.
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHI 101: Introduction to Philosophy (HU) OR PHI 103: Principles of Sound Reasoning (L or HU)	3		
CHM 101: Introductory Chemistry (SQ) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 NTR 100: Introductory Nutrition OR NTR 241: Human Nutrition	3	C	
Humanities, Arts and Design (HU)	3		
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 48 - 63 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 PSY 101: Introduction to Psychology (SB)	3	C	
TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C) OR Health Policy Related Area	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HSC 300: Complementary Healthcare	3	C	
★ HSC 320: Applied Medical/Healthcare Ethics (HU)	3	C	
SOC 390: Social Statistics I (CS) OR STP 226: Elements of Statistics (CS) OR SWU 321: Statistics for Social Workers (CS)	3	C	
Upper Division Health Policy Related Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HSC 330: Healthcare Systems in the U.S.	3	C	
★ HSC 420: Evaluation of Health Sciences Research	3	C	
Upper Division Technical Writing Communications AND Upper Division Literacy and Critical Inquiry (L)	3	C	
Upper Division Health Policy Related Course	3	C	
Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HSC 332: Healthcare Legislation	3	C	
Upper Division Health Policy Related Course	3	C	
HSC Upper Division Elective	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HSC 432: Legal Issues in Healthcare	3	C	
Upper Division Health Policy Related Course	3	C	
Complete 2 courses:			

Term hours subtotal: 12

Technical Writing Communications

ENG 301: Writing for the Professions (L)

NTR 351: Nutrition and Health Communications (L)

TWC 301: General Principles of Multimedia Writing (L)

TWC 347: Written Communication for Managers (L)

TWC 401: Principles of Technical Communication (L)

TWC 446: Technical and Scientific Reports (L)

Health Policy Related Courses

HST 325: Immigration and Ethnicity in the United States (SB & H & C)

PAF 300: Public Management and Administration

PAF 311: Leadership and Change (SB)

PAF 340: Contemporary Policy Challenges

PAF 410: Building Leadership Skills (SB)

PAF 420: Public Leadership

PAF 460: Public Service Ethics

SOC 427: Sociology of Health and Illness (SB)

STS 318: Science, Technology, and Government (SB)

STS 331: Ethical Issues in Science and Technology (SB)

TCL 327: Health and Migration (SB)

Total Hours: 120**Upper Division Hours:** 45 minimum**Major GPA:** 2.00 minimum**Cumulative GPA:** 2.00 minimum**Total hrs at ASU:** 30 minimum**Hrs Resident Credit for****Academic Recognition:** 56 minimum**Total Community College Hrs:** 64 maximum**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Health Sciences (Healthy Lifestyles Coaching), BS

College of Health Solutions
NUHSCHLCBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
ASU 101: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Global Awareness (G)	3		
Term hours subtotal:	14		

Term 2 15 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HSC 210: Cultural Aspects of Health (C)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
EXW 100: Introduction to Health and Wellness (SB)	3	C	
Historical Awareness (H)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	
PSY 101: Introduction to Psychology (SB)	3	C	
PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS)	3	C	
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			
 Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 46 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	
 NTR 241: Human Nutrition	3	C	
PHI 101: Introduction to Philosophy (HU) OR PHI 103: Principles of Sound Reasoning (L or HU)	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	16		
Term 5 62 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HSC 300: Complementary Healthcare	3	C	
EXW 325: Fitness for Life	3	C	
HSC 320: Applied Medical/Healthcare Ethics (HU)	3	C	
NTR 340: Applications in Human Nutrition	3	C	
NTR 345: Development of Healthy Cuisines	3	C	
Term hours subtotal:	15		
Term 6 77 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HSC 420: Evaluation of Health Sciences Research	3	C	
EXW 350: Substance Abuse and Addictive Behavior	3	C	
HSC 330: Healthcare Systems in the U.S.	3	C	
NTR 351: Nutrition and Health Communications (L)	3	C	
Elective	3		
Term hours subtotal:	15		
Term 7 92 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HSC 340: Changing Health Behaviors	3	C	
EXW 400: Stress Management for Wellness	3	C	
Upper Division Technical Writing Communications Course	3	C	
HSC Upper Division Elective	3	C	
Complete 2 courses: Elective	5		
Term hours subtotal:	17		
Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 NTR 450: Nutrition in the Life Cycle I (SB)	3	C	
Complete 2 courses: HSC Upper Division Elective	6	C	
Elective	3		
Term hours subtotal:	12		

Technical Writing Communications
Course List

ENG 301: Writing for the Professions (L)

TWC 301: General Principles of
Multimedia Writing (L)

TWC 347: Written Communication for
Managers (L)

TWC 401: Principles of Technical
Communication (L)

TWC 446: Technical and Scientific
Reports (L)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Health Sciences (Healthy Lifestyles Coaching), BS

College of Health Solutions

Online

NUHSCHLCBS

Term 1 - A 1 - 7 Credit Hours	Hours	Minimum Grade	Notes
ASU 101: The ASU Experience	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	7		
Term 1 - B 8 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ)	4	C	
Global Awareness (G)	3		
Term hours subtotal:	7		
Term 2 - A 15 - 20 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
EXW 100: Introduction to Health and Wellness (SB)	3	C	
Term hours subtotal:	6		
Term 2 - B 21 - 26 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HSC 210: Cultural Aspects of Health (C)	3	C	
 NTR 241: Human Nutrition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 27 - 33 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	

PSY 101: Introduction to Psychology (SB)	3	C
Term hours subtotal:	7	

Term 3 - B 34 - 39 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ BIO 202: Human Anatomy and Physiology II (SG)	4	C	
Elective	2		
⚠ Complete Mathematics (MA) requirement.			
⚠ Complete First-Year Composition requirement.			
Term hours subtotal:	6		

Term 4 - A 40 - 45 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ PHI 101: Introduction to Philosophy (HU) OR PHI 103: Principles of Sound Reasoning (L or HU)	3	C	For the CS requirement, please complete a Statistics course.
PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	6		

Term 4 - B 46 - 51 Credit Hours	Hours	Minimum Grade	Notes
Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	6		

Term 5 - A 52 - 57 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HSC 300: Complementary Healthcare	3	C	
EXW 325: Fitness for Life	3	C	
Term hours subtotal:	6		

Term 5 - B 58 - 63 Credit Hours	Hours	Minimum Grade	Notes
HSC 320: Applied Medical/Healthcare Ethics (HU)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 6 - A 64 - 69 Credit Hours	Hours	Minimum Grade	Notes
NTR 340: Applications in Human Nutrition	3	C	
Elective	3		
Term hours subtotal:	6		

Term 6 - B 70 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HSC 420: Evaluation of Health Sciences Research	3	C	

NTR 345: Development of Healthy Cuisines	3	C

Term hours subtotal: 6

Term 7 - A 76 - 81 Credit Hours	Hours	Minimum Grade	Notes

Upper Division Medical/Technical Writing Communications	3	C

HSC Upper Division Elective	3	C

Term hours subtotal: 6

Term 7 - B 82 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ EXW 350: Substance Abuse and Addictive Behavior	3	C

Elective	3	

Term hours subtotal: 6

Term 8 - A 88 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ HSC 340: Changing Health Behaviors	3	C

Elective	3	

Term hours subtotal: 6

Term 8 - B 94 - 99 Credit Hours	Hours	Minimum Grade	Notes

EXW 400: Stress Management for Wellness	3	C

HSC Upper Division Elective	3	C

Term hours subtotal: 6

Term 9 - A 100 - 105 Credit Hours	Hours	Minimum Grade	Notes

HSC Upper Division Elective	3	C

Elective	3	

Term hours subtotal: 6

Term 9 - B 106 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ HSC 330: Healthcare Systems in the U.S.	3	C

Elective	3	

Term hours subtotal: 6

Term 10 - A 112 - 117 Credit Hours	Hours	Minimum Grade	Notes

NTR 351: Nutrition and Health Communications (L)	3	C

Elective	3	

Term hours subtotal: 6

Term 10 - B 118 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

Term hours subtotal: 3

Medical/Technical Writing
Communications

ENG 301: Writing for the Professions (L)

TWC 301: General Principles of
Multimedia Writing (L)

TWC 347: Written Communication for
Managers (L)

TWC 401: Principles of Technical
Communication (L)

TWC 446: Technical and Scientific
Reports (L)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative
Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Health Sciences (Pre-professional), BS

College of Health Solutions

Downtown Phoenix campus

NUHSCPREBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • Students must test into MAT 170 or higher to be able to take CHM 113 in term 1
ASU 101: The ASU Experience	1		
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H) OR Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 2 16 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)	4	C	• Pre-Pharmacy students are approved to substitute MAT 251 with MAT 270 Calculus with Analytic Geometry I (4) [MA]
 CHM 116: General Chemistry II (SQ)	4	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 30 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	• Pre-Veterinary students are approved to substitute BIO 201 with BIO 360 Animal Physiology (3) and a 1 credit hour elective
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
PHI 101: Introduction to Philosophy (HU)	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete Mathematics (MA) requirement.			
 Complete First-Year Composition requirement.			

Term hours subtotal: 17

Term 4 47 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	• Pre-Veterinary students are approved to substitute BIO 202 with BIO 331 Animal Behavior (3) and a 1 credit hour elective • Pre-Veterinary students are approved to substitute NTR 241 with ABS 378 Wildlife Nutrition (3)
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
NTR 241: Human Nutrition	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	14		

Term 5 61 - 77 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HSC 300: Complementary Healthcare	3	C	• Pre-Veterinary students who have taken BIO 331 will be allowed to take HSC 300. • For the CS requirement, please complete a Statistics course.
BIO 340: General Genetics	4	C	
 HSC 320: Applied Medical/Healthcare Ethics (HU)	3	C	
PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) OR STP 231: Statistics for Life Science (CS)	3	C	
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Term hours subtotal:	17		

Term 6 78 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HSC 330: Healthcare Systems in the U.S.	3	C	
 HSC 420: Evaluation of Health Sciences Research	3	C	
Upper Division Technical Writing Communications AND Upper Division Literacy and Critical Inquiry (L)	3	C	
PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	
Upper Division Elective	3		
Term hours subtotal:	16		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HSC 332: Healthcare Legislation	3	C	
BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory	4	C	
MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG) OR MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
Upper Division Elective	4		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ HSC 400: Practicum in Health Sciences OR HSC 484: Internship OR BIO 390: Medical/Dental Field Placement	3	C
★ HSC 432: Legal Issues in Healthcare	3	C
Complete 2 courses: Upper Division Elective	6	
Term hours subtotal:		12

Technical Writing Communications

ENG 301: Writing for the Professions (L)

TWC 301: General Principles of
Multimedia Writing (L)

NTR 351: Nutrition and Health
Communications (L)

TWC 347: Written Communication for
Managers (L)

TWC 401: Principles of Technical
Communication (L)

TWC 446: Technical and Scientific
Reports (L)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Health Systems Management, BS

College of Health Solutions

Polytechnic campus
TSHSYMBS

This program is not currently accepting applications.

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CST 100: Object-Oriented Software Development	3		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • CTI 101 First Year Seminar required of all freshman students
 MAT 119: Finite Mathematics (MA)	3	C	
 TMC 110: Understanding the Enterprise	3		
CTI 101: Success in Technology & Innovation	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY 101: Introduction to Psychology (SB)	3		
Term hours subtotal:	16		
Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CST 200: Core Data Structures with Object Oriented Programming	3		
 IFT 100: Multimedia, the Internet and the Web	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHI 101: Introduction to Philosophy (HU)	3		
TEM 191: First-Year Seminar	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Elective	2		
Term hours subtotal:	15		
Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HSC 210: Cultural Aspects of Health (C)	3		
 IFT 200: Information Modeling, Storage and Retrieval	3		
 IFT 201: Computer and Network Systems: Organization and Administration	3		
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Elective	3		

Term hours subtotal: 16

Term 4 48 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 IFT 202: Foundations of Information and Computer System Security	3		
PSY 230: Introduction to Statistics (CS)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete HSC 210 course(s).			
Term hours subtotal:	13		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HSC 320: Applied Medical/Healthcare Ethics (HU)	3		
HSC 300: Complementary Healthcare	3		
TMC 330: Leading the Enterprise	3		
Upper Division Track Focus Area Course	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HSC 330: Healthcare Systems in the U.S.	3		
HSC 340: Changing Health Behaviors	3		
TMC 320: Funding the Enterprise	3		
Upper Division Track Focus Area Course	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Complete TMC 330 course(s).			
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 IFT 401: Information Technology Capstone Project I	3		
TMC 410: Enterprise Operations	3		
TMC 430: Enterprise Strategy and Innovation	3		
Upper Division Track Focus Area Course	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 IFT 402: Information Technology Capstone Project II	3		
HSC 420: Evaluation of Health Sciences Research	3		

TMC 470: Enterprise Planning and Implementation	3
<i>Complete 2 courses:</i>	6
Upper Division Track Focus Area Course	
Term hours subtotal:	15

- Students select one primary focus area (15 credits) : Information Technology or Technology and Entrepreneurship Management

Technology and Entrepreneurship Management

OMT 452: Industrial Human Resource Management

OMT 480: Organizational Effectiveness

OMT 402: Legal Issues for Technologists

OMT 430: Ethical Issues in Technology

OMT 440: Introduction to International Business (G)

OMT 452: Industrial Human Resource Management

TEM 311: Opportunity Analysis

TEM 330: Systems Innovation

TEM 400: Technology Entrepreneurship

TEM 450: Design for the Developing World

TMC 310: Promotion of the Enterprise

TMC 331: Quality Assurance

Information Technology Management

CST 359: Internet Networking Protocol

CST 383: Shell and Script Programming with UNIX

CST 481: Information System Security

CST 482: Network Forensics

CST 489: Network Administration with TCP/IP

GIT 414: Web Site Design and Internet/Web Technologies

GIT 417: Advanced Web Markup and Scripting

GIT 418: Multimedia Authoring, Scripting and Production

GIT 435: Website and E-Commerce Strategies

IFT 301: Introduction to Interactive Media

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Kinesiology, BS

College of Health Solutions

Downtown Phoenix campus
NUKINBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 KIN 101: Introduction to Kinesiology	3	B-	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • If student did not test into MAT 251, then take MAT 170 as the elective in term 1.
ASU 101: The ASU Experience	1		
BIO 181: General Biology I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Elective	3	C	
Term hours subtotal:	14		

Term 2 15 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	
 MAT 251: Calculus for Life Sciences (MA)	3	C	
BIO 182: General Biology II (SG)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 32 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	
 CHM 116: General Chemistry II (SQ)	4	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete Mathematics (MA) requirement.			
 Complete First-Year Composition requirement.			

Term hours subtotal: 14

Term 4 46 - 59 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Global Awareness (G)	3		
Elective	3	C	
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 KIN 345: Motor and Developmental Learning	3	C	
 KIN 352: Psychosocial Aspects of Physical Activity (SB & C)	3	C	
PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	
PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3	C	
Elective	3	C	
Term hours subtotal:	16		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 KIN 290: Introduction to Evidence Based Practice (L)	3	C	
 KIN 335: Biomechanics	3	C	
 KIN 340: Physiology of Exercise	3	C	
KIN Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 KIN 334: Functional Anatomy and Kinesiology	3	C	
PSY 366: Abnormal Psychology (SB)	3	C	
Upper Division KIN course (L)	3	C	
Complete 2 courses: KIN Upper Division Elective	6	C	
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 KIN 484: Internship	3	C	
Complete 2 courses: KIN Upper Division Elective	6	C	
Upper Division Elective	3		

Term hours subtotal: 15

Upper Division KIN Elective

KIN 412: Biomechanics of the Skeletal System

KIN 413: Qualitative Analysis in Sport Biomechanics

KIN 414: Electromyographic Kinesiology (L)

KIN 421: Human Motor Control (L)

KIN 422: Motor Control in Special Populations (L)

KIN 423: Motor Control and Aging (L)

KIN 440: Exercise Biochemistry

KIN 441: Physiology of Women in Sport (L)

KIN 442: Fuel Metabolism

KIN 443: Exercise Endocrinology (L)

KIN 444: Metabolic Adaptations to Exercise Training

KIN 445: Exercise Physiology for Children and Adolescents

KIN 447: ECG Interpretation

KIN 450: Biopsychosocial Perspectives on Physical Activity and Health

KIN 452: Exercise Psychology (SB)

KIN 460: Theory of Strength Training (L)

KIN 492: Research

KIN 493: Honors Thesis (L)

KIN 494: Motivational Theory in Exercise & Health

KIN 494: Muscle Physiology

KIN 494: Pediatric Obesity

KIN 499: Individualized Instruction

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for
Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Medical Studies, BS

College of Health Solutions

Downtown Phoenix campus
NHMEDBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	• An SAT, ACT, Accuplacer or TOEFL score determines placement into first-year composition courses • ASU Mathematics Placement Test score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 CHM 113: General Chemistry I (SQ)	4	C	
ASU 101: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
MED 100: Introduction to Medical Studies	1	C	
Term hours subtotal:	16		

Term 2 17 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	
 CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 251: Calculus for Life Sciences (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
COM 225: Public Speaking (L)	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
 Complete Mathematics (MA) requirement.			
 Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 4	45 - 58 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
	CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
	PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	
	SOC 101: Introductory Sociology (SB)	3	C	
	SSH 100: Introduction to Global Health (SB & G)	3	C	
	Minimum 3.00 GPA ASU Cumulative.			
	Term hours subtotal:	14		
Term 5	59 - 74 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
	HCD 300: Biostatistics	3	C	
	BCH 361: Advanced Principles of Biochemistry	3	C	
	BCH 367: Elementary Biochemistry Laboratory	1	C	
	HSC 320: Applied Medical/Healthcare Ethics (HU)	3	C	
	TWC 362: Writing in Health Professions (L) OR Upper Division Literacy and Critical Inquiry (L)	3	C	
	Computer/Statistics/Quantitative Applications (CS)	3		
	Term hours subtotal:	16		
Term 6	75 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
	HCD 303: Global Health Care Systems	3	C	
	BIO 340: General Genetics OR Medical Studies Breadth Elective	4	C	
	HSC 420: Evaluation of Health Sciences Research	3	C	
	MED 484: Internship OR Upper Division Medical Studies Breadth Elective	3	C	
	Elective	3		
	Term hours subtotal:	16		- Students must have an ASU cumulative gpa of 3.2 or higher to apply for the MED 484 internship. Students who are below that gpa will choose from the breadth electives. - Students who plan to apply to medical school should take BIO 340 rather than the breadth elective in this term.
Term 7	91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
	HCD 422: Health Disparities and Access to Health	3	C	
	HSC 330: Healthcare Systems in the U.S.	3	C	
	BIO 318: History of Medicine (H)	3	C	
	SSH 404: Medical Anthropology: Culture and Health (SB & C)	3	C	
	MED 484: Internship OR Upper Division Medical Studies Breadth Elective	3	C	
	Term hours subtotal:	15		Students must have an ASU cumulative gpa of 3.2 or higher to apply for the MED 484 internship. Students who are below that gpa will choose from the breadth electives.
Term 8	106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ HCD 402: Health Economics	3	C
MED 445: Science of Helping in Health OR HSC 210: Cultural Aspects of Health (C) OR HCD 301: Leadership and Professionalism	3	C
Complete 2 courses: Upper Division Medical Studies Breadth Electives	6	C
Humanities, Arts and Design (HU)	3	
Term hours subtotal:	15	

Medical Studies Breadth Electives

ASB 301: Global History of Health (SB & G & H) or SSH 301: Global History of Health (SB & G & H) or HST 301: Global History of Health (SB & G & H)

ASM 401: Health and Human Biology or SSH 401: Health and Human Biology

BIO 201: Human Anatomy and Physiology I (SG)

BIO 202: Human Anatomy and Physiology II (SG)

BIO 353: Cell Biology

BIO 360: Animal Physiology

EXW 342: Health Behavior Change

HCD 100: Introduction to the Science of Health Care Delivery

HCD 101: Introduction to Public Health or PBH 100: Introduction to Public Health

HCD 301: Leadership and Professionalism

HCD 305: Public and Community Health

HCD 405: Health Technology

HSC 210: Cultural Aspects of Health (C)

HSC 332: Healthcare Legislation

HSC 412: Health Issues in Later Life

MED 417: Impact of Violence on Health

MED 445: Science of Helping in Health

MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)

NTR 241: Human Nutrition

SOC 427: Sociology of Health and Illness (SB)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

Total Community College Hrs: 64
maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Nutrition (Dietetics), BS

College of Health Solutions

Downtown Phoenix campus
ECNTRDBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • Minimum grade of C required in the courses marked as C or better for Didactic Program in Dietetics (DPD) verification statement
ASU 101: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NTR 150: Introduction to the Professions in Nutrition and Dietetics	1	C	
Mathematics (MA)	3	C	
Elective	3		
 Maintain 2.00 GPA in Critical Tracking Courses.			
Minimum 2.75 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 2 16 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 NTR 241: Human Nutrition	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Maintain 2.00 GPA in Critical Tracking Courses.			
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 2.75 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	
 NTR 142: Applied Food Principles	3	C	
Global Awareness (G)	3		

Humanities, Arts and Design (HU)	3
Elective	1
❖ Complete First-Year Composition requirement.	
❖ Complete Mathematics (MA) requirement.	
Minimum 3.00 GPA ASU Cumulative.	
Term hours subtotal:	14

Term 4 45 - 60 Credit Hours Critical course signified by ❖	Hours	Minimum Grade	Notes
❖ BIO 202: Human Anatomy and Physiology II (SG)	4	C	
PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS) OR SWU 321: Statistics for Social Workers (CS) OR SOC 390: Social Statistics I (CS)	3	C	
Cultural Diversity in the U.S. (C)	3		
Complete 2 courses: Elective	6		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
★ NTR 341: Introduction to Planning Therapeutic Diets	3	C	
NTR 351: Nutrition and Health Communications (L)	3	C	
NTR 343: Food Service Purchasing	3	C	
NTR 344: Nutrition Services Management (L)	3	C	
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH 361: Advanced Principles of Biochemistry	3	C	
★ NTR 340: Applications in Human Nutrition	3	C	
NTR 350: Nutrition Counseling (SB)	3	C	
NTR 444: Medical Nutrition Therapy	3	C	
Elective	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 92 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 440: Advanced Human Nutrition I	3	C	
★ NTR 445: Management of Food Service Systems	3	C	

MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C
NTR 448: Community Nutrition (L)	3	C
NTR 450: Nutrition in the Life Cycle I (SB)	3	C
Minimum 3.00 GPA ASU Cumulative.		
Term hours subtotal:	16	

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 400: Preprofessional Preparation in Dietetics	1	C	
★ NTR 441: Advanced Human Nutrition II	3	C	
NTR 446: Human Nutrition Assessment Lecture/Laboratory	3	C	
Upper Division Elective	3		
Elective	3		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	13		

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Nutrition (Food and Nutrition Management), BS

College of Health Solutions
Downtown Phoenix campus
ECNTRMBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
Mathematics (MA)	3		
Humanities, Arts and Design (HU)	3		
ASU 101: The ASU Experience	1		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		
Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ)	4	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Historical Awareness (H)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 NTR 100: Introductory Nutrition OR NTR 241: Human Nutrition	3	C	
MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
ECN 211: Macroeconomic Principles (SB)	3	C	
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 NTR 142: Applied Food Principles	3	C	
ECN 212: Microeconomic Principles (SB)	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		
Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 NTR 344: Nutrition Services Management (L)	3	C	
MGT 380: Management and Strategy for Nonmajors	3	C	
NTR 345: Development of Healthy Cuisines	3	C	
NTR 348: Cultural Aspects of Food (SB & C & G)	3	C	
NTR 353: The Western Diet: Food, History, and Sustainability	3	C	
Term hours subtotal:	15		
Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 NTR 343: Food Service Purchasing	3	C	
ENG 301: Writing for the Professions (L) OR TWC 301: General Principles of Multimedia Writing (L)	3	C	
MKT 390: Essentials of Marketing	3	C	
NTR 455: Retail Food Service Operations	3	C	
NTR Elective	3	C	
Term hours subtotal:	15		
Term 7 94 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 NTR 445: Management of Food Service Systems	3	C	
FIN 380: Personal Financial Management	3	C	
NTR 448: Community Nutrition (L) OR NTR 460: Nutrition Entrepreneurship	3	C	
Elective	3		
Term hours subtotal:	12		
Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 NTR 401: Field Experience in Food and Nutrition	3	C	
ACC 382: Accounting and Financial Analysis	3	C	
NTR 300: Computer Applications in Nutrition (CS)	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Nutrition (Food and Tourism Management), BS

College of Health Solutions
Downtown Phoenix campus
ECNTFTMBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TDM 205: Introduction to Travel and Tourism (G)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Mathematics Placement Test score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
ASU 101: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Mathematics (MA)	3	C	
Elective	3		
Term hours subtotal:	16		
Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 33 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 NTR 100: Introductory Nutrition OR NTR 241: Human Nutrition	3	C	
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
TDM Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 15

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 NTR 142: Applied Food Principles	3	C	
MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
Historical Awareness (H)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 NTR 343: Food Service Purchasing	3	C	
NTR 300: Computer Applications in Nutrition (CS)	3	C	
NTR 344: Nutrition Services Management (L)	3	C	
NTR 345: Development of Healthy Cuisines	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 79 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TDM 481: Sustainable Food Management in Tourism	3	C	
NTR 348: Cultural Aspects of Food (SB & C & G)	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	12		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 NTR 445: Management of Food Service Systems	3	C	
TDM 350: Tourism Marketing	3	C	
TDM 448: Heritage and Cultural Tourism OR TDM 458: International Tourism (G) OR TDM 480: Sustainable Tourism	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 NTR 401: Field Experience in Food and Nutrition	3	C	
 NTR 455: Retail Food Service Operations	3	C	
TDM 345: Meeting and Convention Planning	3	C	
Upper Division Elective	3		
Elective	3		

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Nutrition (Human Nutrition), BS

College of Health Solutions

Downtown Phoenix campus
ECNTRHBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • CHM 101 or 113 depending on preparation; see course description
ASU 101: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	14		

Term 2 15 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	
 CHM 116: General Chemistry II (SQ)	4	C	
 NTR 241: Human Nutrition	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	• Students should pick CHM 231 Elementary Organic Chemistry and CHM 235 Elementary Organic Chemistry Lab OR CHM 233 General Organic Chemistry I and CHM 237 General Organic Chemistry Lab I based on the requirements for the professional program they
 CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
Literacy and Critical Inquiry (L)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	2		
 Complete Mathematics (MA) requirement.			

❗ Complete First-Year Composition requirement.

Term hours subtotal: 16

want to apply to after graduation.

- Students who take CHM 233 and CHM 237 must take CHM 234 and CHM 238 in order to take BCH 361 Principles of Biochemistry and BCH 367 Elementary Biochemistry Lab.

Term 4 48 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	• Students who took CHM 233 and CHM 237 in term 3 must take CHM 234 and CHM 238 in order to take BCH 361 Principles of Biochemistry.
BIO 181: General Biology I (SQ)	4	C	
NTR 142: Applied Food Principles	3	C	
Elective	3		
Term hours subtotal:	14		

Term 5 62 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 340: Applications in Human Nutrition	3	C	
★ NTR 341: Introduction to Planning Therapeutic Diets	3	C	
BIO 182: General Biology II (SG)	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Upper Division Elective	3		
Term hours subtotal:	16		

Term 6 78 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH 361: Advanced Principles of Biochemistry	3	C	
★ NTR 440: Advanced Human Nutrition I	3	C	
NTR 457: Sports Nutrition	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 441: Advanced Human Nutrition II	3	C	
★ NTR 444: Medical Nutrition Therapy	3	C	
NTR 448: Community Nutrition (L)	3	C	
MIC 205: Microbiology (SG) or MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)	4	C	
Upper Division Elective	3		
Term hours subtotal:	16		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 446: Human Nutrition Assessment Lecture/Laboratory	3	C	
NTR 450: Nutrition in the Life Cycle I (SB)	3	C	
Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	12		

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Nutrition (Nutrition Communication), BS

College of Health Solutions
ECNTRCBS

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
	ASU 101: The ASU Experience	1		
	MAT 142: College Mathematics (MA)	3	C	
	Humanities, Arts and Design (HU)	3		
	Social-Behavioral Sciences (SB)	3		
	Elective	3		
	Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:		16		
Term 2 17 - 31 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
	CHM 101: Introductory Chemistry (SQ)	4	C	
	Humanities, Arts and Design (HU)	3		
	Historical Awareness (H)	3		
	Elective	2		
	Maintain 2.00 GPA in Critical Tracking Courses.			
	Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:		15		
Term 3 32 - 46 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	COM 225: Public Speaking (L)	3	C	
	NTR 100: Introductory Nutrition OR NTR 241: Human Nutrition	3	C	
	Track Focus Area Course	3	C	
	Complete 2 courses: Elective	6		
	Maintain 2.00 GPA in Critical Tracking Courses.			
	Complete Mathematics (MA) requirement.			
	Complete First-Year Composition requirement.			

Term hours subtotal: 15

Term 4	47 - 62 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	BIO 201: Human Anatomy and Physiology I (SG)		4	C	Students select courses from one track only: Communication Studies, Public Relations, Technical Communication, or Writing.
	NTR 142: Applied Food Principles		3	C	
	Track Focus Area Course		3	C	
	Statistics Course (CS)		3	C	
	Elective		3		
	Maintain 2.00 GPA in Critical Tracking Courses.				
Term hours subtotal:			16		

Term 5 63 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	
 ENG 301: Writing for the Professions (L) OR TWC 301: General Principles of Multimedia Writing (L)	3	C	
NTR 345: Development of Healthy Cuisines	3	C	
Track Focus Area Course	3	C	
Upper Division Elective	3		
Term hours subtotal:		16	

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 NTR 300: Computer Applications in Nutrition (CS)	3	C	
 Upper Division Track Focus Area Course	3	C	
NTR 320: History of Human Nutrition	3	C	
NTR 348: Cultural Aspects of Food (SB & C & G)	3	C	
Upper Division Elective	3		
Term hours subtotal:		15	

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 NTR 351: Nutrition and Health Communications (L)	3	C	
 Upper Division Track Focus Area Course	3	C	
NTR 353: The Western Diet: Food, History, and Sustainability	3	C	
NTR 450: Nutrition in the Life Cycle I (SB)	3	C	
Elective	3		
Term hours subtotal:		15	

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 NTR 401: Field Experience in Food and Nutrition	3	C	
 Upper Division Track Focus Area Course	3	C	

NTR 448: Community Nutrition (L) OR HSC 210: Cultural Aspects of Health (C)	3	C
NTR 453: Nutrition and the Media	3	C
Term hours subtotal:		12

- For the Track Focus Area Course, students select courses from one track only: Communication Studies, Public Relations, Technical Communication, or Writing.

Communication Studies Track

COM 100: Introduction to Human Communication (SB) AND COM 207: Introduction to Communication Inquiry AND COM 308: Advanced Research Methods in Communication (L)

COM 319: Persuasion and Social Influence (SB) or COM 320: Communication and Consumerism (SB) or COM 394: Special Topics or COM 407: Advanced Critical Methods in Communication or COM 408: Quantitative Research Methods in Communication or COM 453: Communication Training and Development or COM 494: Special Topics or COM 323: Communication Approaches to Popular Culture (C)

Public Relations Track

COM 319: Persuasion and Social Influence (SB) AND COM 320: Communication and Consumerism (SB) AND COM 454: Rhetorical and Critical Approaches to Public Relations

COM 394: Communication: Public Relations or ENG 412: Creative Nonfiction or COM 453: Communication Training and Development or ENG 394: Food Writing or ENG 394: Public Relations Writing

Technical Communication Track

TWC 401: Principles of Technical Communication (L)

TWC 411: Principles of Visual Communication (L) or TWC 421: Principles of Writing with Technology (L) or TWC 431: Principles of Technical Editing (L)

4** Elective AND TWC, TWC 4** Elective AND TWC 4** Elective

Writing Track

ENG 216: Persuasive Writing on Public Issues (L) AND ENG 372: Document Production (L) AND ENG 472: Rhetorical Studies (L)

ENG 217: Writing Reflective Essays (L) or ENG 374: Technical Editing or ENG 494: Magazine Writing or ENG 394: Food Writing

Statistics Course (CS)

ABS 350: Applied Statistics (CS)

AGB 360: Agribusiness Statistics (CS)

PSY 230: Introduction to Statistics (CS)

SBS 304: Social Statistics I (CS)

SOC 390: Social Statistics I (CS)

STP 220: Conceptual Statistics

SWU 321: Statistics for Social Workers (CS)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Nutrition (Nutrition Communication), BS

College of Health Solutions

Online

ECNTRCBS

Term 1 - A 1 - 7 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 107: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Mathematics Placement Test score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
	ASU 101: The ASU Experience	1		
	Humanities, Arts and Design (HU)	3		
	Term hours subtotal:	7		
Term 1 - B 8 - 13 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 107: First-Year Composition	3	C	
	MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:		6		
Term 2 - A 14 - 20 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	CHM 101: Introductory Chemistry (SQ)	4	C	
	Elective	3		
Term hours subtotal:		7		
Term 2 - B 21 - 26 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	NTR 100: Introductory Nutrition OR NTR 241: Human Nutrition	3	C	
	Statistics Course (CS)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		6		
Term 3 - A 27 - 32 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes

 COM 225: Public Speaking (L)	3	C
Elective	3	
Term hours subtotal:	6	

Term 3 - B 33 - 38 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Historical Awareness (H)	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	6		

Term 4 - A 39 - 44 Credit Hours	Hours	Minimum Grade	Notes
NTR 142: Applied Food Principles	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 4 - B 45 - 50 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	
Elective	2		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	
Upper Division Elective	3		
Term hours subtotal:	7		

Term 5 - B 58 - 63 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Track Focus Area Course	3	C	Students select courses from one track only: Communication Studies, Public Relations, Technical Communication, or Writing.
Upper Division Elective	3		
Term hours subtotal:	6		

Term 6 - A 64 - 69 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 NTR 300: Computer Applications in Nutrition (CS)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 6 - B 70 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ ENG 301: Writing for the Professions (L) OR TWC 301: General Principles of Multimedia Writing (L)	3	C
NTR 345: Development of Healthy Cuisines	3	C
Term hours subtotal:	6	

Term 7 - A 76 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 351: Nutrition and Health Communications (L)	3	C	
★ Track Focus Area Course	3	C	
Term hours subtotal:	6		

Term 7 - B 82 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Track Focus Area Course	3	C	
NTR 448: Community Nutrition (L) OR HSC 210: Cultural Aspects of Health (C)	3	C	
Term hours subtotal:	6		

Term 8 - A 88 - 93 Credit Hours	Hours	Minimum Grade	Notes
NTR 320: History of Human Nutrition	3	C	
NTR 353: The Western Diet: Food, History, and Sustainability	3	C	
Term hours subtotal:	6		

Term 8 - B 94 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Track Focus Area Course	3	C	
NTR 348: Cultural Aspects of Food (SB & C & G)	3	C	
Term hours subtotal:	6		

Term 9 - A 100 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 450: Nutrition in the Life Cycle I (SB)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 9 - B 106 - 111 Credit Hours	Hours	Minimum Grade	Notes
NTR 453: Nutrition and the Media	3	C	
Elective	3		
Term hours subtotal:	6		

Term 10 - A 112 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NTR 401: Field Experience in Food and Nutrition	3	C	
★ Upper Division Track Focus Area Course	3	C	

Term hours subtotal: 6

Term 10 - B 118 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Track Focus Area Course	3	C	
Term hours subtotal:		3	

- Students select courses from one track only: Communication Studies or Technical Communication

Statistics Course (CS)

ABS 350: Applied Statistics (CS)

AGB 360: Agribusiness Statistics (CS)

PSY 230: Introduction to Statistics (CS)

SBS 304: Social Statistics I (CS)

SOC 390: Social Statistics I (CS)

STP 220: Conceptual Statistics

SWU 321: Statistics for Social Workers (CS)

Technical Communication Track

TWC 401: Principles of Technical Communication (L)

TWC 411: Principles of Visual Communication (L) or TWC 421: Principles of Writing with Technology (L) or TWC 431: Principles of Technical Editing (L)

4** Elective AND TWC, TWC 4** Elective AND TWC 4** Elective

Communication Studies Track

COM 100: Introduction to Human Communication (SB) AND COM 207: Introduction to Communication Inquiry AND COM 308: Advanced Research Methods in Communication (L)

COM 319: Persuasion and Social Influence (SB) or COM 320: Communication and Consumerism (SB) or COM 394: Special Topics or COM 407: Advanced Critical Methods in Communication or COM 408: Quantitative Research Methods in Communication or COM 453: Communication Training and Development or COM 494: Special Topics or COM 323: Communication Approaches to Popular Culture (C)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Public Health, BS

College of Health Solutions

Downtown Phoenix campus
NHPBHBS

Term 1 0 - 18 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first year composition courses. • ASU Math placement exam score determines placement in mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
ASU 101: The ASU Experience	1		
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 117: College Algebra (MA)	3	C	
 PBH 100: Introduction to Public Health	3	C	
Term hours subtotal:	18		

Term 2 19 - 35 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
EXW 100: Introduction to Health and Wellness (SB)	3	C	
MAT 210: Brief Calculus (MA)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 36 - 51 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	
HSC 210: Cultural Aspects of Health (C)	3	C	
PHI 101: Introduction to Philosophy (HU)	3	C	
SSH 100: Introduction to Global Health (SB & G)	3	C	
Historical Awareness (H)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Minimum

Term 4 52 - 67 Credit Hours Critical course signified by 	Hours	Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	
EXW 290: Foundations of Health Promotion and Wellness (SB)	3	C	
NTR 241: Human Nutrition	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Approved Introductory Statistics Course AND Computer/Statistics/Quantitative Applications (CS)	3	C	
Term hours subtotal:	16		

Term 5 68 - 83 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HSC 330: Healthcare Systems in the U.S.	3	C	
HSC 320: Applied Medical/Healthcare Ethics (HU)	3	C	
EXW 342: Health Behavior Change	3	C	
MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
NTR 351: Nutrition and Health Communications (L)	3	C	
Term hours subtotal:	16		

Term 6 84 - 95 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PBH 300: Biostatistics	3	C	
EXW 344: Physical Activity in Health and Disease	3	C	
HSC 332: Healthcare Legislation	3	C	
Upper Division Elective	3		
Term hours subtotal:	12		

Term 7 96 - 107 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HSC 435: Environmental Health Issues in the U.S.	3	C	
EXW 444: Epidemiology	3	C	
EXW 450: Social Determinants of Health and Health Behavior ((L or SB) & C)	3	C	
NTR 448: Community Nutrition (L)	3	C	
Term hours subtotal:	12		

Term 8 108 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PBH 422: Health Disparities and Access to Health	3	C	
 PBH 444: Public Health Field Experience	4	C	
EXW 446: Health Promotion and Program Evaluation	3	C	
Elective	3		
Term hours subtotal:	13		

Approved Introductory Statistics Course

STP 226: Elements of Statistics (CS)

PSY 230: Introduction to Statistics (CS)

SOC 390: Social Statistics I (CS)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Science of Health Care Delivery, BS

College of Health Solutions

Downtown Phoenix campus

NHHCDBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HCD 100: Introduction to the Science of Health Care Delivery	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
ASU 101: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students	3	C	
MAT 210: Brief Calculus (MA)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HCD 101: Introduction to Public Health	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: English for Foreign Students	3	C	
PHI 101: Introduction to Philosophy (HU)	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SSH 100: Introduction to Global Health (SB & G)	3	C	
ECN 212: Microeconomic Principles (SB)	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Literacy and Critical Inquiry (L)	3		
 Complete Mathematics (MA) requirement.			
Elective	3		
Term hours subtotal:	15		
Term 4 46 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

 ECN 211: Macroeconomic Principles (SB)	3	C
HSC 210: Cultural Aspects of Health (C)	3	C
Historical Awareness (H)	3	
Complete 2 courses: Elective	6	
Term hours subtotal:	15	

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HCD 300: Biostatistics	3	C	
HCD 301: Leadership and Professionalism	3	C	
HSC 304: Health Communication	3	C	
HSC 300: Complementary Healthcare	3	C	
HSC 320: Applied Medical/Healthcare Ethics (HU) OR PHI 320: Bioethics (HU)	3	C	
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HCD 303: Global Health Care Systems	3	C	
HCD 302: Health Care Management	3	C	
HCD 400: Interpreting the Scientific Literature	3	C	
HSC 330: Healthcare Systems in the U.S.	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HCD 402: Health Economics	3	C	
 HCD 422: Health Disparities and Access to Health	3	C	
HSC 332: Healthcare Legislation	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HCD 305: Public and Community Health	3	C	
 HCD 404: Advanced Concepts in the Science of Health Care Delivery	3	C	
HCD 403: Process Engineering	3	C	
HCD 405: Health Technology	3	C	
HCD 484: Internship	3	C	
Term hours subtotal:	15		

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Speech and Hearing Science, BS

College of Health Solutions

Tempe campus
LASHSBS

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASU 101: The ASU Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • Students who do not test into MAT 170 should take MAT 117 for the elective in term 1
 SHS 105: Introduction to Human Communication Disorders	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Historical Awareness (H)	3		
Elective	3		
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	13		

Term 2 14 - 28 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 170: Precalculus (MA)	3	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.80 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 3 29 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG) OR PHY 101: Introduction to Physics (SQ)	4	C	
 PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3	C	
 SHS 250: Introduction to Phonetics	3	C	
Global Awareness (G)	3		
Elective	3		

Complete Mathematics (MA) requirement.

Maintain 2.80 GPA in Critical Tracking Courses.

Term hours subtotal: 16

Term 4 45 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG) OR PHY 101: Introduction to Physics (SQ)	4	C	
 ENG 215: Strategies of Academic Writing (L)	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
Maintain 2.80 GPA in Critical Tracking Courses.			

Term hours subtotal: 16

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SHS 310: Anatomical and Physiological Bases of Speech	3	C	
 SHS 311: Hearing Science	3	C	
SHS 367: Language Science (SB)	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		

Term hours subtotal: 15

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SHS 375: Speech Science	3	C	
 SHS 401: Introduction to Audiology	3	C	
SHS 465: Speech and Language Acquisition (SB)	3	C	
Complete 2 courses: Elective	6		

Term hours subtotal: 15

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SHS 470: Developmental Speech and Language Disorders	3	C	
SHS 496: Aural Rehabilitation	3	C	
Complete 2 courses: Upper Division Elective	6		
Elective	3		

Term hours subtotal: 15

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SHS 485: Acquired Speech and Language Disorders	3	C	
SHS 402: Clinical Methods and Treatment of Communication Disorders	3	C	

Complete 2 courses: Upper Division Elective	6
Elective	3
Term hours subtotal:	15

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

Barrett Academic Course Requirements

Honors students must maintain high standards of academic performance and show progress toward completion of graduation requirements in their disciplinary majors and in Barrett. In order to graduate from Barrett, students must complete the following, which includes a total of 36 credit hours of honors course work:

1. [HON 171](#) and [HON 272](#) *The Human Event*, must be completed in sequence during a student's first two semesters in the college.
2. Thirty additional credit hours of honors course work must be earned with a letter grade of "C" (2.00) or higher. This may include [HON](#) prefix classes, honors sections of classes, honors enrichment contracts or any automatic honors courses such as [ENG 105 Advanced First-Year Composition](#) (in-person sections), [CEE 486 Integrated Civil Engineering Design](#), [PHY 333 Electronic Circuits and Measurements](#), or graduate-level (in-person) courses.
3. Included in the 36 credit hours of honors course work are at least 18 hours of upper-division or graduate-level honors credits for an earned letter grade of "C" (2.00) or higher, including six credit-hours of honors course work outside the academic major. Students should investigate specialized honors, upper-division tracks within their majors.
4. Those admitted as upper-division transfer students (defined as 48 post-high school university credits completed by the time of planned enrollment in Barrett) must complete [HON 394 History of Ideas](#) in addition to the 18 required hours of upper-division honors course work. Six of the 21 honors credits must be outside the academic major. A total of 21 hours of upper-division honors course work are required for these upper division transfers because they do not have time to complete all 36 honors hours.
5. Students are required to complete an honors thesis or creative project for at least three credit-hours, though students are encouraged to complete six credit-hours of thesis or creative project work. These credit hours may be included in the 18 required hours of upper-division, honors course work. The honors thesis or creative project is launched with a prospectus due one academic year before the defense. Prior to enrolling in credit for thesis or creative project work, students must complete a required preparatory workshop or course. The final copy of the honors thesis or creative project must be filed by the posted deadline during the student's graduation semester.
6. ASU graduation requirements in an academic major must be met.
7. Students must maintain a cumulative ASU GPA of 3.25 or higher.

Barrett course requirements may be met in a variety of ways. There are two specific required courses for first-year students. Only courses in which a student receives a grade of "C" (2.00) or higher may be used to meet Barrett requirements.

Those entering the college as lower-division students may take as many as 18 lower-division honors credits, which include [HON 171](#) and [272 *The Human Event*](#), and at least 18 upper-division credits (total honors credits must be 36). HON 171 and 272 *The Human Event* are cross-disciplinary seminars that acquaint students with ideas that form the foundation of a university education and emphasize critical thinking, discussion and writing.

Those who enter as upper-division students must take 21 upper-division honors credits, including [HON 394 *History of Ideas*](#) taught by an Honors Faculty Fellow. Junior-level seminar courses introduce students to critical thinking, discussion and writing in a topical area chosen by the instructor. All students are expected to complete this course during the first semester upon transferring.

Departmental honors-only courses are limited to honors students and others who receive special permission from the instructor to enroll. Enrollment in these courses is limited. Compared to their non-honors equivalents, these courses are designed to offer a richer, more complex intellectual experience appropriate to the discipline and the level of the course for all students enrolled. Other disciplinary honors courses group honors students in small cohorts to work on research projects of common interest.

Honors enrichment contracts are available in many departmental courses allowing honors students to contract with the instructor of designated non-honors courses to earn honors credit by pursuing enrichment activities, which include supplemental sessions with the instructor. Honors enrichment contracts must be filed by the student during the first four weeks of class and completed during the semester in which the course is offered. The enrichment contract form offers guidelines to aid students and faculty in developing appropriate contracts.

Course numbers listed in the online [ASU Class Search/Course Catalog](#) as 298 and 492 *Honors Directed Study*, 493 *Honors Thesis*, 497 *Honors Colloquium*, all classes with the HON prefix, and those with departmental prefix that carry the honors designation as a notation are reserved for students in Barrett and always count for honors credit. Students may receive credit for more than one of each of these courses in a given department.

The departmental course with the number 493 is reserved for honors students completing their honors thesis or creative project. A student may enroll for this course only with the approval of the sponsoring academic department and of the faculty member who serves as the student's thesis or creative project director. Course numbers listed in the online ASU schedule of classes as 493 fulfill the student's upper-division literacy and critical inquiry (L) General Studies requirement.

There are certain courses that carry automatic honors credit. These include [ENG 105 *Advanced First-Year Composition*](#) (any in-person section), [CEE 486 *Integrated Civil Engineering Design*](#), and [PHY 333 *Electronic Circuits and Measurements*](#). Graduate level courses taught in an in-person format automatically earn honors credit.

2014 - 2015 Major Map Journalism and Mass Communication, BA

Walter Cronkite School of Journalism & Mass Comm

Downtown Phoenix campus
CSJMCBA

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determined placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • Students other than first-time freshmen may take the English Grammar Exam one time to attempt to test out of JMC 101 Grammar for Journalists.
 JMC 101: Grammar for Journalists	1	Y	
 JMC 110: Principles and History of Journalism (SB) OR MCO 120: Media and Society (SB)	3	C	
ASU 101: The ASU Experience	1	C	
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3		
Second Language	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 JMC 201: News Reporting and Writing (L)	3	C	
Computer/Statistics/Quantitative Applications (CS) AND Statistics Course	3		
Humanities, Arts and Design (HU)	3		
Second Language	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 JMC 301: Intermediate Reporting and Writing (Print) (L) or JMC 315: Intermediate Reporting and Writing (Broadcast) (L) OR JMC 366: Journalism Ethics and Diversity	3	C	• Must complete JMC 301 or JMC 315 (depending on track) AND JMC 366 by end of term 4 with a grade of "C" or better
JMC 305: Online Media	3	C	
SOC 101: Introductory Sociology (SB) OR PSY 101: Introduction to Psychology (SB)	3		

Natural Science - Quantitative (SQ)	4	
Second Language	4	C
❗ Complete Mathematics (MA) requirement.		
❗ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	17	

Term 4 49 - 62 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ JMC 301: Intermediate Reporting and Writing (Print) (L) or JMC 315: Intermediate Reporting and Writing (Broadcast) (L) OR JMC 366: Journalism Ethics and Diversity	3	C	• Must complete JMC 301 or JMC 315 (depending on track) AND JMC 366 by end of term 4 with a grade of "C" or better • Up to two credit hours of elective credit may be fulfilled by MCO 294, JMC 120 or JMC 194
POS 110: Government and Politics (SB) OR POS 310: American National Government (SB)	3		
U.S. History Course AND Historical Awareness (H)	3		
Elective	1		
Second Language AND Global Awareness (G)	4	C	
❗ Minimum 2.50 GPA ASU Cumulative.			
❗ Complete JMC 366 course(s).			
Term hours subtotal:	14		

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Advanced Skills Course	3	C	• Advanced Skills course should be selected in consultation with academic advisor
JMC 313: Introduction to Editing OR JMC 345: Videography	3	C	
JMC 484: Internship	3	Y	
Philosophy Course AND Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 402: Mass Communication Law	3	C	• Advanced Skills course should be selected in consultation with academic advisor
ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3		
JMC OR MCO Upper Division Elective	3	C	
Related Area Course	3	C	
Cultural Diversity in the U.S. (C)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 94 - 107 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ Upper Division Advanced Skills Course	3	C
MCO Upper Division Elective	3	C
Elective	2	
Complete 2 courses: Upper Division Related Area Course	6	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	14	

- Advanced Skills course should be selected in consultation with academic advisor
- Up to two credit hours of elective credit may be fulfilled by MCO 294, JMC 120 or JMC 194

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JMC 473: The Business and Future of Journalism OR JMC 436: Public Relations Research Methods	3	C	
★ Upper Division Advanced Skills Course	3	C	
MCO Upper Division Elective	3	C	
Upper Division Related Area Course	3	C	
Elective	1		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	13		

- Advanced Skills course should be selected in consultation with academic advisor
- Up to two credit hours of elective credit may be fulfilled by MCO 294, JMC 120 or JMC 194

- Advanced Skills course should be selected in consultation with academic advisor

Advanced Skills Courses

JMC 310: Public Relations

JMC 320: Newscast Producing

JMC 325: Multimedia Reporting

JMC 330: Television Reporting

JMC 351: Photojournalism I

JMC 413: Advanced Editing

JMC 414: Graphic Design for Print and Web

JMC 415: Writing for Public Relations

JMC 417: Public Relations Campaigns

JMC 437: Documentary Production

JMC 440: Magazine Writing

JMC 445: Science and Medical Writing

JMC 451: Photojournalism II

JMC 453: Reporting on Business and the Economy

JMC 455: Digital Media Entrepreneurship

JMC 460: Advanced Online Media

JMC 465: Precision Journalism

JMC 470: Depth Reporting

JMC 475: Television Newscast
Production

JMC 476: Public Relations Laboratory

JMC 477: Innovation and
Entrepreneurship Lab

JMC 478: Cronkite News Service

U.S. History

HST 109: United States to 1865 ((HU or
SB) & H)

HST 110: United States Since 1865 (SB &
H)

HST 313: American Cultural History to
1865 (SB & H)

HST 314: American Cultural History
Since 1865 ((HU or SB) & H)

HST 320: U.S. Urban History since 1850
(SB & H)

HST 325: Immigration and Ethnicity in
the United States (SB & H & C)

HST 327: Women in U.S. History, 1600
to 1880 ((HU or SB) & C & H)

HST 328: Women in U.S. History,
1880-1980 ((HU or SB) & C & H)

HST 329: Women in 20th-Century U.S.
West (H & C)

HST 331: Mexican American History to
1900 (SB & H & C)

HST 332: Mexican American History
Since 1900 (SB & H & C)

HST 333: African American History to
1865 (SB & H & C)

HST 334: African American History Since
1865 ((HU or SB) & C & H)

HST 337: American Indian History to
1900 ((HU or SB) & C & H)

HST 338: American Indian History since
1900 ((HU or SB) & C & H)

HST 341: U.S. West 19th Century (SB &
H)

HST 342: U.S. West 20th Century (SB &
H)

HST 343: American Southwest ((L or SB)
& H)

HST 405: Colonial American History to
1763 (SB & H)

HST 406: American
Revolution/1763-1789 (SB & H)

HST 407: Early U.S. Republic/1789-1850
((L or SB) & H)

HST 408: Civil War and Reconstruction
((L or SB) & H)

HST 409: Emergence Modern U.S.
1877-1918 (SB & H)

HST 410: Modern U.S., 1918 to1945 (SB & H)

HST 411: Postwar U.S., 1945-1973 (SB & H)

HST 412: Contemporary U.S., 1973-Present (SB & H)

HST 415: Unequal Sisters: Women and Political and Cultural Change ((L or SB) & H & C)

HST 456: The Vietnam War (SB & G & H)

Related Area Courses

ASB Elective

ASM Elective

ACC Elective

ECN Elective

FIN Elective

LES Elective

MGT Elective

MKT Elective

REA Elective

ENG Elective

FAS Elective

GPH Elective

GCU Elective

HST Elective

COM Elective

JUS Elective

POS Elective

REL Elective

SOC Elective

THE Elective

THP Elective

WSH Elective

WST Elective

Statistics (CS)

JUS 302: Statistical Analysis for Justice Studies (CS)

SOC 390: Social Statistics I (CS)

STP 220: Conceptual Statistics

STP 226: Elements of Statistics (CS)

SWU 321: Statistics for Social Workers (CS)

Philosophy

HON 171: The Human Event ((L or HU)& H)

PHI 101: Introduction to Philosophy (HU)

PHI 103: Principles of Sound Reasoning
(L or HU)

PHI 105: Intro to Ethics (HU)

PHI 306: Applied Ethics (HU)

PHI 337: Ethical Theory (HU)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Mass Communication and Media Studies, BA
 Walter Cronkite School of Journalism & Mass Comm
 Online
 CSMCMSTBA

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MCO 120: Media and Society (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Mathematics Placement Test score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101: The ASU Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 8 - 13 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		
Term 2 - A 14 - 20 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 2 - B 21 - 26 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 27 - 32 Credit Hours	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		

MCO Elective	3	C
Term hours subtotal:	6	

Term 3 - B 33 - 39 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		
Lower Division Elective	3		
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 40 - 45 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ Lower Division Literacy and Critical Inquiry (L)	3		
Lower Division Elective	3		
Term hours subtotal:	6		

Term 4 - B 46 - 51 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Lower Division Elective	3		
Term hours subtotal:	6		

Term 5 - A 52 - 57 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Mass Communication Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 5 - B 58 - 63 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Mass Communication Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 6 - A 64 - 69 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Social-Behavioral Sciences (SB)	3		
★ Upper Division Mass Communication Elective	3	C	
Term hours subtotal:	6		

Term 6 - B 70 - 75 Credit Hours	Hours	Minimum Grade	Notes
Global Awareness (G)	3		
Lower Division Elective	3		
Term hours subtotal:	6		

Term 7 - A 76 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Mass Communication Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		
Term 7 - B 82 - 87 Credit Hours	Hours	Minimum Grade	Notes
Historical Awareness (H)	3		
Lower Division Elective	3		
Term hours subtotal:	6		
Term 8 - A 88 - 93 Credit Hours	Hours	Minimum Grade	Notes
Lower Division Elective	3		
Upper Division Elective	3		
Term hours subtotal:	6		
Term 8 - B 94 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Mass Communication Elective	3	C	
Lower Division Elective	3		
Term hours subtotal:	6		
Term 9 - A 100 - 105 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Lower Division Elective	3		
Term hours subtotal:	6		
Term 9 - B 106 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Mass Communication Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		
Term 10 - A 112 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Mass Communication Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		
Term 10 - B 118 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Mass Communication Elective	3	C	

Mass Communication Elective

MCO 240: Media Issues in American Pop Culture

MCO 302: Media Research Methods

MCO 418: History of Mass Communication (SB & H)

MCO 421: Media Problems

MCO 430: International Mass Communication (G)

MCO 435: Social Media

MCO 450: Visual Communication (HU)

MCO 455: War and Mass Media

MCO 456: Political Communication (SB)

MCO 460: Race, Gender, and Media (C)

MCO 465: Sports and Media

MCO 473: Sex, Love, and Romance in the Mass Media (SB)

MCO 494: Special Topics

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Applied Biological Sciences (Applied Biological Sciences), BS

School of Letters and Sciences

Polytechnic campus
TSABSABS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ASU 101: The ASU Experience	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 BIO 181: General Biology I (SQ)	4	C	
 MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA)	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		
Term 2 15 - 28 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	• Graduate and health track: complete PHY 111/113 and PHY 112/114 instead of PHY 101.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) AND PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 29 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		Graduate and health track: complete PHY 112/114. Students on this track should enroll in a second physics course in place of elective hours.
 CHM 113: General Chemistry I (SQ)	4	C	
Applied Biological Sciences Track	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Minimum

Term 4 45 - 59 Credit Hours Critical course signified by 	Hours	Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
Cultural Diversity in the U.S. (C)	3		
Elective	2		
Term hours subtotal:	15		
Term 5 60 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ABS 370: Ecology	3	C	Graduate and health track students should complete all of the following: CHM 233 and CHM 237 and CHM 234 and CHM 238 (instead of CHM 231 and CHM 235). Students on this track complete the additional CHM courses in place of elective credit hours.
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR  CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I OR CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
Upper Division Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
Global Awareness (G)	3		
Upper Division Elective	3		
Term hours subtotal:	16		
Term 6 76 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	Graduate and health track students should complete CHM 234 and CHM 238 instead of elective credit.
BIO 360: Animal Physiology OR  ABS 314: Applied Plant Physiology OR ABS 311: Molecular and Cellular Biology OR BIO 353: Cell Biology	3	C	
Upper Division Applied Biological Sciences Track	3	C	
Applied Biological Sciences Track	3	C	
Historical Awareness (H)	3		
Term hours subtotal:	16		
Term 7 92 - 106 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Applied Biological Sciences Track	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		
Term 8 107 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Applied Biological Sciences Track	4	C	
Complete 3 courses: Upper Division Elective	10		
Term hours subtotal:	14		

Applied Biological Sciences Health Track

ABS 302: Ethical and Policy Issues in Biology

ABS 355: Anatomy and Physiology of Vertebrates

ABS 394: Integrative Healthcare

ABS 484: Internship

BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory

BIO 201: Human Anatomy and Physiology I (SG)

BIO 202: Human Anatomy and Physiology II (SG)

BIO 351: Developmental Biology

MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)

SPA 294: Basic Spanish for Health Care Professionals II

STS 304: Science, Technology, and Society (SB)

Environment and Society Track

ABS 130: Introduction to Environmental Science (SQ)

ABS 270: Sustainable Biological Systems

ABS 302: Ethical and Policy Issues in Biology

ENG 367: Environmental Issues in Literature and Film (L or HU)

ENG 378: Environmental Creative Nonfiction (L or HU)

ENG 468: Environmental Literary Criticism (L or HU)

STS 101: Introduction to Science, Technology, and Society (SB)

STS 304: Science, Technology, and Society (SB)

General Biology Track

ABS Elective

BIO Elective

BCH Elective

MIC Elective

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Applied Biological Sciences (Applied Ecology and Preveterinary Medicine) - Pre-veterinary Medicine, BS

School of Letters and Sciences

TSABSRBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASU 101: The ASU Experience	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 BIO 181: General Biology I (SQ)	4	C	
 MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		
Term 2 15 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 CHM 113: General Chemistry I (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
Global Awareness (G) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
Term 3 32 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		
Term 4 46 - 62 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

📌 AGB 271: Veterinary Medicine Today	3	C
📌 CHM 116: General Chemistry II (SQ)	4	C
PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C
Computer/Statistics/Quantitative Applications (CS)	3	
Social-Behavioral Sciences (SB)	3	
Term hours subtotal:	17	

Term 5 63 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 370: Ecology	3	C	
BIO 360: Animal Physiology OR ★ ABS 314: Applied Plant Physiology OR ABS 311: Molecular and Cellular Biology OR BIO 353: Cell Biology	3	C	
Upper Division Track Elective	3	C	
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	16		

Term 6 79 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 340: General Genetics	4	C	
★ ABS 355: Anatomy and Physiology of Vertebrates	3	C	
ABS 350: Applied Statistics (CS) OR STP 420: Introductory Applied Statistics (CS)	3	C	
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
Term hours subtotal:	14		

Term 7 93 - 104 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH 361: Advanced Principles of Biochemistry	3	C	
★ ABS 378: Wildlife Nutrition	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	12		

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ABS 476: Big Game Habitat Management	3	C	
★ ABS 470: Life History of Mammals	3	C	
Complete 2 courses: Upper Division Track Elective	6	C	
Upper Division Elective	4		

Pre-Veterinary Medicine Track

ABS 380: Restoration and Wildlife Plants

ABS 434: Soil Ecology

ABS 435: Applied Systems Ecology

ABS 472: Applied Herpetology

ABS 481: Riparian and Wetland Restoration

ABS 484: Internship

BIO 331: Animal Behavior

BIO 385: Comparative Invertebrate Zoology

BIO 453: Animal Histology

BIO 426: Limnology (L)

BIO 471: Ornithology

BIO 473: Ichthyology

Notes:

- Students must complete a minimum of 12 credit hours of science courses offered by the School of Letters and Sciences. Select from ABS, CHM, BIO, PHY, and MIC prefixes.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Applied Biological Sciences (Applied Ecology and Preveterinary Medicine) - Wildlife Biology, BS

School of Letters and Sciences

TSABSRBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASU 101: The ASU Experience	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 BIO 181: General Biology I (SQ)	4	C	
 MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		

Term 2 15 - 28 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 CHM 113: General Chemistry I (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 29 - 42 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ABS 274: Introduction to Wildlife Management OR MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) OR PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Minimum

Term 4 43 - 58 Credit Hours Critical course signified by 	Hours	Grade	Notes
ABS 270: Sustainable Biological Systems OR AGB 271: Veterinary Medicine Today	3	C	
 CHM 116: General Chemistry II (SQ)	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
Global Awareness (G)	3		
Term hours subtotal:	16		
Term 5 59 - 74 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ABS 370: Ecology	3	C	
BIO 360: Animal Physiology OR  ABS 314: Applied Plant Physiology OR ABS 311: Molecular and Cellular Biology OR BIO 353: Cell Biology	3	C	
Track Elective	3	C	
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I OR CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	16		
Term 6 75 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ABS 350: Applied Statistics (CS) OR STP 420: Introductory Applied Statistics (CS)	3	C	
 BIO 340: General Genetics	4	C	
ABS 355: Anatomy and Physiology of Vertebrates	3	C	
Upper Division Track Elective	4	C	
Historical Awareness (H)	3		
Term hours subtotal:	17		
Term 7 92 - 106 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BCH 361: Advanced Principles of Biochemistry OR ABS 376: Wildlife Ecology	3	C	
 ABS 470: Life History of Mammals	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Track Elective	3	C	
Term hours subtotal:	15		
Term 8 107 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ ABS 476: Big Game Habitat Management	3	C
★ ABS 472: Applied Herpetology OR BIO 471: Ornithology	3	C
Upper Division Track Elective	3	C
Upper Division Elective	3	
Elective	2	
Term hours subtotal:		14

Wildlife Biology Track

ABS 207: Applied Plant Taxonomy

ABS 380: Restoration and Wildlife Plants

ABS 434: Soil Ecology

ABS 435: Applied Systems Ecology

ABS 378: Wildlife Nutrition

ABS 481: Riparian and Wetland
Restoration

ABS 484: Internship

BIO 331: Animal Behavior

BIO 385: Comparative Invertebrate
Zoology

BIO 453: Animal Histology

BIO 426: Limnology (L)

BIO 473: Ichthyology

Notes:

- Students must complete a minimum of 12 credit hours of science courses offered by the School of Letters and Sciences. Select from ABS, CHM, BIO, PHY, and MIC prefixes.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Applied Biological Sciences (Secondary Education in Biology), BS

School of Letters and Sciences

Polytechnic campus

TSABSSBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ASU 101: The ASU Experience	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 BIO 181: General Biology I (SQ)	4	C	
MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C) OR Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		
Term 2 15 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	
 CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HST 109: United States to 1865 ((HU or SB) & H) OR Humanities, Arts and Design (HU)	3		
EDT 321: Mobile Technologies and Your World (CS) OR Computer/Statistics/Quantitative Applications (CS)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: DPS Fingerprint Clearance Card.			
Term hours subtotal:	17		
Term 3 32 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
BLE 220: Foundations of Structured English Immersion	3	C	
 MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) AND PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C) OR Social-Behavioral Sciences (SB)	3		

❗ Complete Mathematics (MA) requirement.

Milestone: Meet with advisor from Education regarding Professional Teachers Preparation Program (iTeachAZ)

Milestone: Intent to Progress Online Form.

Term hours subtotal: 14

Term 4 46 - 61 Credit Hours **Critical course signified by** ❗

Hours **Minimum Grade** **Notes**

❗ CHM 116: General Chemistry II (SQ)

4 C

HST 109: United States to 1865 ((HU or SB) & H) OR Humanities, Arts and Design (HU)

3

Global Awareness (G)

3

Cultural Diversity in the U.S. (C)

3

Literacy and Critical Inquiry (L)

3

Term hours subtotal: 16

Term 5 62 - 78 Credit Hours **Necessary course signified by** ★

Hours **Minimum Grade** **Notes**

★ CHM 231: Elementary Organic Chemistry (SQ) AND
CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR
★ CHM 233: General Organic Chemistry I AND
CHM 237: General Organic Chemistry Laboratory I OR
CHM 234: General Organic Chemistry II AND
CHM 238: General Organic Chemistry Laboratory II

4 C

★ ABS 370: Ecology

3 C

★ TEL 311: Instruction and Management in the Inclusive Classroom

3 C

TEL 315: Child and Adolescent Development (L or SB) OR Upper Division Humanities, Arts and Design (HU) OR
EDP 313: Childhood and Adolescence (SB) OR Upper Division Social-Behavioral Sciences (SB)

3

Historical Awareness (H)

3

★ SED 396: Clinical Experience I

1 C

Term hours subtotal: 17

Term 6 79 - 92 Credit Hours **Necessary course signified by** ★

Hours **Minimum Grade** **Notes**

★ BIO 340: General Genetics

4 C

ABS 207: Applied Plant Taxonomy OR
ABS 355: Anatomy and Physiology of Vertebrates

3

Upper Division Literacy and Critical Inquiry (L)

3

★ BIO 480: Methods of Teaching Biology

3 C

★ SED 397: Clinical Experience II

1 C

Term hours subtotal: 14

Term 7 93 - 108 Credit Hours **Necessary course signified by** ★

Hours **Minimum Grade** **Notes**

★ BIO 360: Animal Physiology OR
★ ABS 314: Applied Plant Physiology OR
★ ABS 311: Molecular and Cellular Biology OR
★ BIO 353: Cell Biology

3 C

RDG 323: Literacy Processes in Content Areas	3	C
★ SED 496: Clinical Experience III	1	C
SED 322: Classroom Leadership in Secondary Schools (L)	3	C
BLE 407: SEI for Secondary Students	3	C
SPE 417: Inclusion Practices at the Secondary Level	3	C
Term hours subtotal:	16	

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching in the Secondary School	12	C	
Term hours subtotal:	12		

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Applied Biological Sciences (Sustainable Horticulture), BS

School of Letters and Sciences

Polytechnic campus
TSABSUBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ASU 101: The ASU Experience	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 BIO 181: General Biology I (SQ)	4	C	
 MAT 210: Brief Calculus (MA) OR MAT 251: Calculus for Life Sciences (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		
Term 2 15 - 28 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) AND PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 29 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
Global Awareness (G)	3		
Cultural Diversity in the U.S. (C)	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Minimum

Term 4 45 - 58 Credit Hours Critical course signified by 	Hours	Grade	Notes
 ABS 260: Fundamentals of Urban Horticulture (SG)	4	C	
 CHM 116: General Chemistry II (SQ)	4	C	
Literacy and Critical Inquiry (L)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	14		

Term 5 59 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ABS 370: Ecology	3	C	
 ABS 363: Sustainable Landscape Practice	4	C	
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I OR CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Historical Awareness (H)	3		
Term hours subtotal:	17		

Term 6 76 - 89 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ABS 368: Plant Propagation	3	C	
 ABS 362: Landscape Plants and Design	4	C	
 BIO 340: General Genetics	4	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		

Term 7 90 - 104 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PLB 414: Plant Pathology (L)	3	C	
BIO 360: Animal Physiology OR  ABS 314: Applied Plant Physiology OR ABS 311: Molecular and Cellular Biology OR BIO 353: Cell Biology	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 8 105 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ABS 350: Applied Statistics (CS)	3	C	
Upper Division Sustainable Horticulture Electives	4	C	
Complete 2 courses: Upper Division Elective	5		

Term hours subtotal: 16

Sustainable Horticulture Elective

ABS 360: Southwest Home Gardening

ABS 364: Urban Forestry

ABS 460: Organic Gardening

ABS 462: Greenhouse/Nursery
ManagementABS 463: Golf and Sports Turf
Management

ABS 484: Internship

Total Hours: 120**Upper Division Hours:** 45 minimum**Major GPA:** 2.00 minimum**Cumulative GPA:** 2.00 minimum**Total hrs at ASU:** 30 minimum**Hrs Resident Credit for****Academic Recognition:** 56 minimum**Total Community College Hrs:** 64
maximum**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

General Studies Sequence (19 Credit Hours)	ASU	Transfer	Transfer From	Grade
ASC 315: Numeracy in Technology (MA)	3			
ASC 325: Physical Sciences in Technology (SQ)	4			
Humanities, Arts and Design (HU) AND Global Awareness (G) OR Social-Behavioral Sciences (SB) AND Global Awareness (G)	3			
Upper Division Humanities, Arts and Design (HU) AND Historical Awareness (H) AND Cultural Diversity in the U.S. (C)	3			
Upper Division Literacy and Critical Inquiry (L) (meet by major course)	0			
Upper Division Social-Behavioral Sciences (SB)	3			
Credit Hours Sub Total	16			

BAS Area Core (15 Credit Hours)	ASU	Transfer	Transfer From	Grade
STP 420: Introductory Applied Statistics (CS)	3			
TWC 301: General Principles of Multimedia Writing (L)	3			
TWC 347: Written Communication for Managers (L)	3			
TWC 401: Principles of Technical Communication (L)	3			
TWC 421: Principles of Writing with Technology (L)	3			
Credit Hours Sub Total	15			

Technical Writing and Communication (20 Credit Hours)	ASU	Transfer	Transfer From	Grade
TWC 411: Principles of Visual Communication (L)	3			
TWC 431: Principles of Technical Editing (L)	3			
TWC 443: Proposal Writing OR TWC 444: Manual and Instructional Writing OR TWC 445: Computer Documentation OR TWC 446: Technical and Scientific Reports (L)	3			
TWC 451: Copyright and Intellectual Property in the Electronic Age OR TWC 452: Information in the Digital Age OR TWC 453: Information and Communications Technology in American History OR TWC 454: Information Technology and Culture (C)	3			
TWC 499: Individualized Instruction	2			
Complete 2 Courses: TWC Upper Division Elective	6			
Credit Hours Sub Total	20			

Assignable Credits (9 Hours)	ASU	Transfer	Transfer From	Grade
	6			
	3			
Credit Hours Sub Total	9			

BAS DEGREE SUMMARY	Credit Hours
Degree Block Transfer	60
General Studies	16
BAS Area Core	15
Technical Writing and Communication	20
Assignable Credits	9
Total	120

Total Upper Division Hours
Total ASU Resident Hours

Advisor Comments

Student Signature

Date:

Dean Signature

Date:

Advisor/Chair Signature

Date:

University Signature

Date:

2014 - 2015 Major Map Communication, BA

School of Letters and Sciences

Downtown Phoenix campus, Polytechnic campus
LSCOMBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
ASU 101: The ASU Experience	1		
2** Second Language: Requirement satisfied through the following: * Completion of secondary education at a school in which the language of instruction is not English; * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * Completion of upper division course(s) taught in a foreign language,taken in the United States or the relevant country.	4	C	
Humanities, Arts and Design (HU)	3		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 207: Introduction to Communication Inquiry	3	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3		
2** Second Language: Requirement satisfied through the following: * Completion of secondary education at a school in which the language of instruction is not English; * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * Completion of upper division course(s) taught in a foreign language,taken in the United States or the relevant country.	4	C	
Social-Behavioral Sciences (SB)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s). Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 230: Small Group Communication (SB)	3	C	
2** Second Language: Requirement satisfied through the following: * Completion of secondary education at a school in which the language of instruction is not English; * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;	4	C	

* Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country.

Computer/Statistics/Quantitative Applications (CS)	3
Humanities, Arts and Design (HU)	3
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4
🚩 Complete Mathematics (MA) requirement.	
Maintain 2.00 GPA in Critical Tracking Courses.	
Term hours subtotal:	17

Term 4 48 - 64 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 COM 225: Public Speaking (L)	3	C	
2** Second Language: Requirement satisfied through the following: * Completion of secondary education at a school in which the language of instruction is not English; * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country.	4	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
Literacy and Critical Inquiry (L)	3		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	17		

Term 5 65 - 79 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ COM 308: Advanced Research Methods in Communication (L)	3	C	• Student must select one of three COM concentration options and take all COM concentration courses within the same concentration. Nine of the eighteen concentration area credit hours must be COM prefix courses.
⭐ Upper Division Concentration Course	3	C	
COM Upper Division Elective	3	C	
Social-Behavioral Sciences (SB)	3		
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 80 - 93 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ Complete 2 courses: Upper Division Concentration Course	6	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Global Awareness (G)	3		
Elective	2		
Term hours subtotal:	14		

Term 7 94 - 108 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ Upper Division Concentration Course	3	C	
COM Upper Division Elective	3	C	

Historical Awareness (H)	3
Complete 2 courses: Upper Division Elective	6
Term hours subtotal:	15

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Concentration Course	6	C	
COM Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	12		

- Student must select one of three COM concentration options and take all COM concentration courses within the same concentration. Nine of the eighteen concentration area credit hours must be COM prefix courses.

Communication and Culture Concentration Courses
ASB 463: Political Ecology of the Border (SB & G)
ASB 480: Principles of Linguistics (SB)
ASB 481: Language and Culture (SB)
COM 316: Gender and Communication (SB & C)
COM 323: Communication Approaches to Popular Culture (C)
COM 371: Language, Culture, and Communication (SB & C & G)
COM 463: Intercultural Communication Theory and Research (SB & G)
COM 464: Communicative Sexualities
CRJ 305: Gender, Crime, and Criminal Justice (C)
CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)
ENG 317: Cross-Cultural Writing ((L or HU) & G)
FAS 370: Family Ethnic and Cultural Diversity (SB & C)
HST 313: American Cultural History to 1865 (SB & H)
HST 314: American Cultural History Since 1865 ((HU or SB) & H)
HST 323: Historical Studies in Race, Crime, and the Law
JUS 432: Racial Justice (L)
MCO 460: Race, Gender, and Media (C)
PHI 306: Applied Ethics (HU)

POS 350: Comparative Politics (SB & G)

POS 360: World Politics (SB & G)

POS 364: National Security, Intelligence,
and Terrorism (SB)

POS 435: Women and Politics (SB & C)

Law and Community Advocacy
Concentration Courses

COM 312: Communication, Conflict, and
Negotiation

COM 316: Gender and Communication
(SB & C)

COM 319: Persuasion and Social
Influence (SB)

COM 320: Communication and
Consumerism (SB)

COM 323: Communication Approaches to
Popular Culture (C)

COM 326: Court Room Oratory

COM 341: Social Contexts for
Performance

COM 421: Rhetoric of Social Issues (HU)

COM 422: Advanced Argumentation (L)

COM 426: Political Communication (SB)

CRJ 305: Gender, Crime, and Criminal
Justice (C)

CRJ 306: Race, Ethnicity, Crime, and
Criminal Justice (C)

CRJ 350: Law and Social Control (SB)

HST 313: American Cultural History to
1865 (SB & H)

HST 314: American Cultural History
Since 1865 ((HU or SB) & H)

HST 315: Political History of the U. S.
(SB & H)

HST 323: Historical Studies in Race,
Crime, and the Law

JUS 303: Justice Theory

JUS 305: Principles of Justice Studies
(SB)

MCO 456: Political Communication (SB)

NLM 310: Volunteer Management

PHI 306: Applied Ethics (HU)

POS 310: American National Government
(SB)

POS 336: Voters in America (SB)

POS 346: Problems of Democracy (HU)

POS 370: Law and Society (SB)

POS 431: Campaigns and Elections (SB)

POS 435: Women and Politics (SB & C)

POS 442: American Political Thought
(HU)

WST 375: Women and Social Change (SB
& C)

Communication, Technology and Society
Concentration Courses

COM 319: Persuasion and Social
Influence (SB)

COM 394: Communication in the
Electronic Age

COM 421: Rhetoric of Social Issues (HU)

COM 320: Communication and
Consumerism (SB)

COM 323: Communication Approaches to
Popular Culture (C)

COM 422: Advanced Argumentation (L)

COM 450: Theory and Research in
Organizational Communication (SB)

COM 484: Internship

ENG 374: Technical Editing

ENG 465: Studies in Film

FMS 312: Film, Media, and Politics
Today

GIT 301: Website Development for
Nonmajors

JUS 435: Cinema and Justice

PHI 306: Applied Ethics (HU)

MCO 418: History of Mass
Communication (SB & H)

MCO 430: International Mass
Communication (G)

MCO 450: Visual Communication (HU)

MCO 456: Political Communication (SB)

MCO 460: Race, Gender, and Media (C)

SOC 365: Sociology of Mass
Communication (SB)

SOC 366: Film and Society

SOC 374: Cultures and Politics of the
Internet (SB)

STS 330: Information Technology and
Globalization (SB & G)

STS 425: Law, Values, Science, and
Technology (SB)

STS 480: Technology, Ethics, and Society

TWC 301: General Principles of
Multimedia Writing (L)

TWC 401: Principles of Technical
Communication (L)

TWC 411: Principles of Visual
Communication (L)

TWC 451: Copyright and Intellectual
Property in the Electronic Age

TWC 452: Information in the Digital Age

TWC 453: Information and
Communications Technology in American
History

Notes:

- Students must complete a minimum of 12 upper division credit hours of COM courses offered by the School of Letters and Sciences.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map English, BA

School of Letters and Sciences

Polytechnic campus
LSENGBA

Term 1 0 - 13 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
	ASU 101: The ASU Experience	1		
	MAT 142: College Mathematics (MA) OR Mathematics (MA)	3		
	Humanities, Arts and Design (HU)	3		
	Social-Behavioral Sciences (SB)	3		
	Term hours subtotal:	13		
Term 2 14 - 29 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
	Computer/Statistics/Quantitative Applications (CS)	3		
	Cultural Diversity in the U.S. (C)	3		
	Humanities, Arts and Design (HU)	3		
	Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
	Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
	Term hours subtotal:	16		
Term 3 30 - 45 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	• ENG 200-level literature course is a recommended pre-requisite to upper division ENG courses.
	2** Lower Division ENG Literature Course	3	C	
	ENG Lower Division Elective	3	C	
	Natural Science - Quantitative (SQ)	4		
	Social-Behavioral Sciences (SB)	3		
	Complete Mathematics (MA) requirement.			
	Maintain 2.00 GPA in Major Courses.			
	Term hours subtotal:	16		

Term 4 46 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Rhetoric, Writing and Linguistics Course	3	C	
Literature and Culture Before 1800 Course	3	C	
Global Awareness (G)	3		
Historical Awareness (H)	3		
Lower Division Elective	3		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Ethnicity, Gender and Environment Course	3	C	
Complete 2 courses: ENG Lower Division Elective	6	C	
Lower Division Elective	3		
Upper Division Elective	3		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Literature and Culture After 1800 Course	3	C	
Complete 2 courses: ENG Lower Division Elective	6	C	
Complete 2 courses: Upper Division Elective	6		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division ENG course (L)	3	C	Students in the Barrett Honors College may take ENG 493: Honors Thesis in place of ENG 498: Pro-Seminar.
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 3 courses: Upper Division Elective	9		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ENG 498: Pro-Seminar	3	C	
Complete 2 courses: ENG Upper Division Elective	6	C	
Complete 2 courses: Upper Division Elective	6		
Maintain 2.00 GPA in Major Courses.			

2 Lower Division ENG Literature Course**

ENG 204: Introduction to Contemporary Literature (HU)

ENG 222: Survey of English Literature (HU & H)

ENG 242: Literatures of the United States, 1860 to Present (HU)

Literature and Culture After 1800

ENG 320: Medievalism in Modern Culture

ENG 335: American Poetry

ENG 337: Major American Novels (L or HU)

ENG 352: Short Story (L or HU)

ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)

ENG 359: Indigenous American Literature ((L or HU) & C)

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)

ENG 367: Environmental Issues in Literature and Film (L or HU)

ENG 366: Literature on Film

ENG 464: Great Directors (L or HU)

ENG 466: Studies in International Film ((L or HU) & G)

ENG 467: American Film Musicals (L or HU)

ENG 471: Literature for Young Adults (HU)

Literature and Culture Before 1800

ENG 201: World Literature (HU & H & G)

ENG 202: World Literature (HU & H)

ENG 221: Survey of English Literature (HU)

ENG 241: Literatures of the United States to 1860 (HU)

ENG 303: Classical Backgrounds of English Literature (HU)

ENG 321: Shakespeare (L or HU)

ENG 328: The Novel to Jane Austen (HU & H)

Ethnicity, Gender and Environment

ENG 317: Cross-Cultural Writing ((L or HU) & G)

ENG 333: American Ethnic Literature ((L or HU) & C)

ENG 334: The American Southwest in Literature and Film. ((L or HU) & C)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)

ENG 359: Indigenous American Literature ((L or HU) & C)

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)

ENG 364: Women and Literature (HU)

ENG 367: Environmental Issues in Literature and Film (L or HU)

ENG 378: Environmental Creative Nonfiction (L or HU)

ENG 468: Environmental Literary Criticism (L or HU)

Rhetoric, Writing and Linguistics

ENG 210: Introduction to Creative Writing

ENG 214: English Grammar and Usage

ENG 215: Strategies of Academic Writing (L)

ENG 216: Persuasive Writing on Public Issues (L)

ENG 217: Writing Reflective Essays (L)

ENG 218: Writing About Literature (L or HU)

ENG 243: Introduction to Writing Family History (L)

ENG 287: Beginning Creative Writing Workshop in Poetry

ENG 288: Beginning Creative Writing Workshop in Fiction

ENG 301: Writing for the Professions (L)

ENG 310: Intermediate Creative Writing

ENG 311: Persuasive Writing (L)

ENG 314: Modern Grammar

ENG 317: Cross-Cultural Writing ((L or HU) & G)

ENG 376: Writing a Personal History (L)

ENG 377: Editing Family History for Public Audiences (L)

ENG 378: Environmental Creative Nonfiction (L or HU)

ENG 379: Travel Writing (L)

ENG 387: Intermediate Creative Writing
Workshop in Poetry: Form, Theory, and
Practice

ENG 388: Intermediate Creative Writing
Workshop in Fiction: Form, Theory, and
Practice

ENG 411: Advanced Creative Writing

ENG 472: Rhetorical Studies (L)

Notes:

- A minimum of 12 upper division ENG credits must be completed through the School of Letters and Sciences.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Exploratory Health and Life Sciences

School of Letters and Sciences
UCHSCIEXPL

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	• An SAT, ACT, Accuplacer or TOEFL score determines placement into first-year composition courses. • ASU Math Placement exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all Freshmen.
 Mathematics (MA)	3	C	
ASU 101: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
UNI 150: Major and Career Exploration	1	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 2 16 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 UNI 250: Choosing a Major	1	C	
 Natural Science - Quantitative (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 30 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Social-Behavioral Sciences (SB)	3		
UNI 270: Career Direction for a Successful Future	1	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Lower Division Literacy and Critical Inquiry (L) AND Historical Awareness (H)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	
Complete Mathematics (MA) requirement.			
Milestone: Selection of a major.			
Term hours subtotal:	17		

Notes:

- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

Total Hours: 46

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Exploratory Health and Life Sciences

School of Letters and Sciences

Online

UCHSCIEXPL

Term 1 - A 1 - 7 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement exam score determines placement into Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshmen students.
 Mathematics (MA)		3	C	
ASU 101: The ASU Experience		1		
Term hours subtotal:		7		
Term 1 - B 8 - 15 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)		4	C	
UNI 150: Major and Career Exploration		1	C	
Term hours subtotal:		8		
Term 2 - A 16 - 22 Credit Hours		Hours	Minimum Grade	Notes
UNI 250: Choosing a Major		1	C	
Social-Behavioral Sciences (SB)		3		
Computer/Statistics/Quantitative Applications (CS)		3		
Term hours subtotal:		7		
Term 2 - B 23 - 29 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 Natural Science - Quantitative (SQ)		4	C	
Humanities, Arts and Design (HU)		3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		7		
				Minimum

Term 3 - A 30 - 36 Credit Hours	Hours	Grade	Notes
UNI 270: Career Direction for a Successful Future	1	C	
Social-Behavioral Sciences (SB)	3		
Lower Division Literacy and Critical Inquiry (L) AND Historical Awareness (H)	3		
Term hours subtotal:	7		

Term 3 - B 37 - 40 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	4		

Term 4 - A 41 - 46 Credit Hours	Hours	Minimum Grade	Notes
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Milestone: Selection of a major.			
Term hours subtotal:	6		

Notes:

- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

Total Hours: 46

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Exploratory Humanities, Fine Arts and Design

School of Letters and Sciences

UCHUFAEXPL

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement exam scores determine placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshmen students.
 Humanities, Arts and Design (HU)	3	C	
ASU 101: The ASU Experience	1		
UNI 150: Major and Career Exploration	1	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Mathematics (MA)	3		
Term hours subtotal:	15		

Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 UNI 250: Choosing a Major	1	C	
 Humanities, Arts and Design (HU)	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Lower Division Literacy and Critical Inquiry (L) AND Historical Awareness (H)	3		
UNI 270: Career Direction for a Successful Future	1	C	
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3	C	
 Complete Mathematics (MA) requirement.			
Milestone: Selection of a major.			
Term hours subtotal:	14		

Notes:

- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

Total Hours: 45

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Exploratory Humanities, Fine Arts and Design

School of Letters and Sciences

Online

UCHUFAEXPL

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement exam score determines placement into Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshmen students.
 Humanities, Arts and Design (HU)	3	C	
ASU 101: The ASU Experience	1		
Term hours subtotal:	7		

Term 1 - B 8 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Social-Behavioral Sciences (SB)	3	C	
UNI 150: Major and Career Exploration	1	C	
Term hours subtotal:	7		

Term 2 - A 15 - 21 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Humanities, Arts and Design (HU)	3	C	
UNI 250: Choosing a Major	1	C	
Mathematics (MA)	3		
Term hours subtotal:	7		

Term 2 - B 22 - 27 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Social-Behavioral Sciences (SB)	3	C	
Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 28 - 35 Credit Hours	Hours	Minimum Grade	Notes

UNI 270: Career Direction for a Successful Future	1	C
Computer/Statistics/Quantitative Applications (CS)	3	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
Term hours subtotal:	8	

Term 3 - B 36 - 42 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 43 - 48 Credit Hours	Hours	Minimum Grade	Notes
Historical Awareness (H)	3		
Lower Division Literacy and Critical Inquiry (L) AND Historical Awareness (H)	3		
Milestone: Selection of a major.			
Term hours subtotal:	6		

Notes:

- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

Total Hours: 48
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Exploratory Math, Physical Sciences, Engineering and Technology

School of Letters and Sciences

UCEMTPEXPL

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR  MAT 171: Precalculus: Science, Technology, Engineering and Mathematics (STEM) (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement exam score determines placement into Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshmen students.
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
ASU 101: The ASU Experience	1		
UNI 150: Major and Career Exploration	1	C	
Social-Behavioral Sciences (SB)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	
Term hours subtotal:	15-16		
Term 2 16 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR  MAT 171: Precalculus: Science, Technology, Engineering and Mathematics (STEM) (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 UNI 250: Choosing a Major	1	C	
 Natural Science - Quantitative (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14-15		
Term 3 30 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA) OR MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 272: Calculus with Analytic Geometry III (MA)	3-4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
UNI 270: Career Direction for a Successful Future	1	C	
Humanities, Arts and Design (HU)	3		

Social-Behavioral Sciences (SB)	3	
Literacy and Critical Inquiry (L)	3	C
❗ Complete Mathematics (MA) requirement.		
Milestone: Selection of a major.		
Term hours subtotal:		16-17

Notes:

- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.
- Students should consider completing Global, Historical, and Cultural Awareness requirements with their Social and Behavioral or Humanities and Fine Arts courses.

Total Hours: 45

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Exploratory Math, Physical Sciences, Engineering and Technology

School of Letters and Sciences

Online

UCEMTPEXPL

Term 1 - A 1 - 7 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement exam score determines placement into Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshmen students.
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR  MAT 171: Precalculus: Science, Technology, Engineering and Mathematics (STEM) (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)		3-4	C	
ASU 101: The ASU Experience		1		
Term hours subtotal:		7-8		
Term 1 - B 8 - 15 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
 Natural Science - Quantitative (SQ)		4	C	
UNI 150: Major and Career Exploration		1	C	
Term hours subtotal:		8		
Term 2 - A 16 - 22 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
MAT 117: College Algebra (MA) OR MAT 170: Precalculus (MA) OR  MAT 171: Precalculus: Science, Technology, Engineering and Mathematics (STEM) (MA) OR MAT 265: Calculus for Engineers I (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)		3-4	C	
UNI 250: Choosing a Major		1	C	
Social-Behavioral Sciences (SB)		3		
Term hours subtotal:		7-8		
Term 2 - B 23 - 29 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 Natural Science - General (SG) OR Natural Science - Quantitative (SQ)		4	C	
Humanities, Arts and Design (HU)		3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				

Term hours subtotal: 7

Term 3 - A 30 - 36 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA) OR MAT 267: Calculus for Engineers III (MA) OR MAT 271: Calculus with Analytic Geometry II (MA) OR MAT 272: Calculus with Analytic Geometry III (MA)	3-4	C	
UNI 270: Career Direction for a Successful Future	1	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	7-8		

Term 3 - B 37 - 39 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	3		

Term 4 - A 40 - 45 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3	C	
Humanities, Arts and Design (HU)	3		
Milestone: Selection of a major.			
Term hours subtotal:	6		

Notes:

- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.
- Students should consider completing Global, Historical, and Cultural Awareness requirements with their Social and Behavioral or Humanities and Fine Arts courses.

Total Hours: 45

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Exploratory Social and Behavioral Sciences

School of Letters and Sciences
UCSBSEXPL

Term 1 0 - 15 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required for all freshmen students.
 Social-Behavioral Sciences (SB)		3	C	
ASU 101: The ASU Experience		1		
UNI 150: Major and Career Exploration		1	C	
Mathematics (MA)		3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)		4		
Term hours subtotal:		15		
Term 2 16 - 31 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
 UNI 250: Choosing a Major		1	C	
 Social-Behavioral Sciences (SB)		3	C	
Cultural Diversity in the U.S. (C)		3		
Global Awareness (G)		3		
Humanities, Arts and Design (HU)		3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		16		
Term 3 32 - 45 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 Computer/Statistics/Quantitative Applications (CS)		3		
UNI 270: Career Direction for a Successful Future		1	C	
Humanities, Arts and Design (HU)		3	C	
Literacy and Critical Inquiry (L) AND Historical Awareness (H)		3		
Natural Science - Quantitative (SQ)		4		
 Complete Mathematics (MA) requirement.				
Milestone: Selection of a major.				
Term hours subtotal:		14		

Notes:

- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

Total Hours: 45

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Exploratory Social and Behavioral Sciences

School of Letters and Sciences
Online
UCSBSEXPL

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement exam score determines placement into Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshmen students.
 Social-Behavioral Sciences (SB)	3	C	
ASU 101: The ASU Experience	1		
Term hours subtotal:	7		

Term 1 - B 8 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Humanities, Arts and Design (HU)	3	C	
UNI 150: Major and Career Exploration	1	C	
Term hours subtotal:	7		

Term 2 - A 15 - 21 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Social-Behavioral Sciences (SB)	3	C	
UNI 250: Choosing a Major	1	C	
Mathematics (MA)	3		
Term hours subtotal:	7		

Term 2 - B 22 - 27 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Humanities, Arts and Design (HU)	3	C	
Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 28 - 35 Credit Hours	Hours	Minimum Grade	Notes

UNI 270: Career Direction for a Successful Future	1	C
Global Awareness (G)	3	
Natural Science - Quantitative (SQ)	4	
Term hours subtotal:	8	

Term 3 - B 36 - 41 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		
Historical Awareness (H)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 42 - 48 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L) AND Historical Awareness (H)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Milestone: Selection of a major.			
Term hours subtotal:	7		

Notes:

- Students considering ASU majors which require a second language may consult with an academic advisor to consider a second language course for any term.

Total Hours: 48
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map General Studies, BGS

School of Letters and Sciences

Downtown Phoenix campus, Lake Havasu City
LSGNSBGS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU 101 or college specific equivalent First Year Seminar required of all freshmen students • ASU Math Placement Exam score determines placement in Mathematics course
ASU 101: The ASU Experience	1		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• Choose BGS Clusters in collaboration with a BGS academic advisor. See complete list of BGS Clusters and requirements at https://sls.asu.edu/undergrad/proginfo/lsgnsbgs.
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3		
Cluster #1 Course	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Cluster #2 Course	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 46 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

 Literacy and Critical Inquiry (L)	3	
Cluster #3 Course	3	C
Computer/Statistics/Quantitative Applications (CS)	3	
Global Awareness (G)	3	
Social-Behavioral Sciences (SB)	3	
Term hours subtotal:	15	

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Cluster #1 Course	3	C	
Cluster #4 Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Cluster #1 Course	3	C	
Upper Division Cluster #2 Course	3	C	
Upper Division Cluster #3 Course	3	C	
Cluster #2 Course	3	C	
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 UNI 400: Society and the Individual (L)	3	C	
Complete 2 courses: Upper Division Cluster #4 Course	6	C	
Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Cluster #3 Course	3	C	
Complete 4 courses: Upper Division Elective	12		
Term hours subtotal:	15		

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map History, BA

School of Letters and Sciences

Polytechnic campus
LSHISBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 HST Lower Division Elective	3	C	
ASU 101: The ASU Experience	1		
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3		
Humanities, Arts and Design (HU)	3		
Lower Division Elective	3		
 Maintain 2.25 GPA in Critical Tracking Courses.			
Minimum 2.25 GPA in HST.			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 HST Lower Division Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Maintain 2.25 GPA in Critical Tracking Courses.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HST Lower Division Elective	3	C	
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Literacy and Critical Inquiry (L)	3		
 Complete Mathematics (MA) requirement.			

⚠️ Maintain 2.25 GPA in Critical Tracking Courses.

Term hours subtotal: 16

Term 4	49 - 63 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	History Related Area		3	C	Students will choose a Related Area Field in consultation with their History academic advisor. Students will complete 15 credit hours (minimum of 9 upper division hours) in a Related Area Field. See more information at bottom of major map.
	Cultural Diversity in the U.S. (C)		3		
	Historical Awareness (H)		3		
	Social-Behavioral Sciences (SB)		3		
	Lower Division Elective		3		
	Maintain 2.25 GPA in Critical Tracking Courses.				
	Minimum 2.25 GPA in HST.				
Term hours subtotal:			15		

Term 5	64 - 78 Credit Hours	Necessary course signified by 🌟	Hours	Minimum Grade	Notes
🌟	Non-US Non-European HST Course		3	C	
	HST Upper Division Elective		3	C	
	Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)		3		
	Upper Division History Related Area		3	C	
	Upper Division Elective		3		
	Minimum 2.25 GPA in HST.				
	Term hours subtotal:		15		

Term 6	79 - 93 Credit Hours	Necessary course signified by 🌟	Hours	Minimum Grade	Notes
🌟	HST Upper Division Elective		3	C	
	Upper Division Non-US Non-European HST Course		3	C	
	History Related Area		3	C	
	Complete 2 courses: Upper Division Elective		6		
	Minimum 2.25 GPA in HST.				
	Term hours subtotal:		15		

Term 7	94 - 105 Credit Hours	Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐	HST Upper Division Elective		3	C	
	Complete 2 courses: Upper Division History Related Area		6	C	
	Upper Division Elective		3		
	Minimum 2.25 GPA in HST.				
	Term hours subtotal:		12		

Term 8	106 - 120 Credit Hours	Necessary course signified by ⭐	Hours	Minimum Grade	Notes

★ HST 495: Methods of Historical Inquiry (L)	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
HST Upper Division Elective	3	C
Complete 2 courses: Lower Division Elective	6	
Minimum 2.25 GPA in HST.		
Term hours subtotal:	15	

- Students in the Barrett Honors College may take HST 493: Honors Thesis in place of HST 495: Methods of Historical Inquiry.

- Students will need to complete 15 credit hours of Related Area Field courses (minimum of 9 hours upper division). Related Area Field options include courses in Political Science (POS), Science, Technology and Society (STS), American Indian Studies (AIS), English (ENG), Religious Studies (REL), and Transborder Chicana/o and Latina (TCL). See Related Area Field prefix list below.

History Related Area
POS Elective
STS Elective
AIS Elective
ENG Elective
REL Elective
TCL Elective
Non-US Non-European History Courses
HST 201: Historical Themes in Asia (SB & H)
HST 203: Historical Themes in Latin America (SB & H)
HST 240: Introduction to Southeast Asia ((HU or SB) & G)
HST 303: Studies in Asian History (SB & H)
HST 305: Studies in Latin American History (SB & H)
HST 307: Studies in African History (H)
HST 375: Colonial Latin America (SB & H)
HST 376: Modern Latin America (SB & H)
HST 377: Women in Colonial Latin America (H)
HST 378: Latin American Women: The National Period (SB & G & H)
HST 379: Rebellion & Revolution/So Amer
HST 380: Cultural History of Latin America (SB & H)
HST 383: China (SB & H)
HST 384: China (SB & G & H)

HST 385: History of Chinese Medicine
(HU & H & G)

HST 386: Interpreting China's Classics ((L
or HU) & H)

HST 387: Japan ((L or SB) & H)

HST 388: Japan (SB & G & H)

HST 389: Japan Society and
Values/Premod

HST 391: Modern Southeast Asia (SB &
G & H)

HST 443: The United States and Latin
America (SB & G & H)

HST 444: Latin American Independence
((L or HU) & G & H)

HST 445: 20th-Century Cuba (SB & G &
H)

HST 446: Colonial Mexico (SB & H)

HST 447: Modern Mexico (SB & H)

HST 448: Mexican/U.S. Border

HST 449: Mexican Immigration to the
U.S. ((L or SB) & H & C)

HST 450: Postmodern Mexico ((L or HU)
& G & H)

HST 451: Chinese Cultural History I ((HU
or SB) & H)

HST 452: Chinese Cultural History II (SB
& G & H)

HST 453: The People's Republic of China
(SB & G & H)

HST 455: The United States and Japan
(SB & G & H)

HST 456: The Vietnam War (SB & G &
H)

HST 372: Modern Middle East (SB & G
& H)

Notes:

- Student must complete a minimum of 12 upper division credit hours of HST courses offered by the School of Letters and Sciences.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Interdisciplinary Studies, BIS

School of Letters and Sciences

LSBISBIS

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer or TOEFL score determines placement into first-year composition courses • ASU 101 or college specific equivalent First Year Seminar required of all freshmen students • ASU Math Placement Exam score determines placement in Mathematics course
ASU 101: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	13		

Term 2 14 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3		
Global Awareness (G)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		• Choose BIS concentration areas in collaboration with a BIS academic advisor
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 45 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Concentration #1 Courses	3	C	

 Concentration #2 Courses	3	C
Cultural Diversity in the U.S. (C)	3	
Natural Science - Quantitative (SQ)	4	
Social-Behavioral Sciences (SB)	3	
Term hours subtotal:	16	

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Concentration #1 Courses	3	C	
 Concentration #2 Courses	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	3		
 Milestone: Two courses completed with grades of "C" or better in both BIS concentration areas			
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIS 301: Foundations of Interdisciplinary Studies (L)	3	C	
Upper Division Concentration #1 Courses	3	C	
Complete 2 courses: Upper Division Concentration #2 Courses	6	C	
Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIS 302: Interdisciplinary Inquiry	3	C	
Complete 2 courses: Upper Division Concentration #1 Courses	6	C	
Upper Division Concentration #2 Courses	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIS 401: Applied Interdisciplinary Studies	3	C	
 BIS 402: Senior Seminar (L)	3	C	
Upper Division Concentration #1 Courses	3	C	
Upper Division Concentration #2 Courses	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Interdisciplinary Studies, BIS

School of Letters and Sciences

Online

LSBISBIS

Term 1 - A 1 - 7 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	• An SAT, ACT, Accuplacer or TOEFL score determines placement into first-year composition courses. • ASU Math Placement exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all Freshmen.
ASU 101-UC: The ASU Experience		1		
Humanities, Arts and Design (HU)		3		
Term hours subtotal:		7		
Term 1 - B 8 - 13 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Social-Behavioral Sciences (SB)		3		
Term hours subtotal:		6		
Term 2 - A 14 - 19 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 MAT 142: College Mathematics (MA) OR Mathematics (MA)		3		
Elective		3		
Term hours subtotal:		6		
Term 2 - B 20 - 26 Credit Hours		Hours	Minimum Grade	Notes
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)		4		
Elective		3		
Term hours subtotal:		7		
Term 3 - A 27 - 32 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 Concentration #1 Course		3	C	• Choose BIS concentration areas in collaboration with a BIS academic advisor.
Computer/Statistics/Quantitative Applications (CS)		3		

Term hours subtotal: 6

Term 3 - B 33 - 39 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes

⚠ Concentration #2 Course	3	C	

Natural Science - Quantitative (SQ)	4		

⚠ Complete Mathematics (MA) requirement.			

Term hours subtotal: 7

Term 4 - A 40 - 45 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes

⚠ Concentration #1 Course	3	C	

Historical Awareness (H)	3		

Term hours subtotal: 6

Term 4 - B 46 - 51 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes

⚠ Concentration #2 Course	3	C	

Humanities, Arts and Design (HU)	3		

Term hours subtotal: 6

Term 5 - A 52 - 57 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes

Cultural Diversity in the U.S. (C)	3		

Social-Behavioral Sciences (SB)	3		

⭐ Milestone: Two courses completed with grades of "C" or better in both BIS concentration areas			

Term hours subtotal: 6

Term 5 - B 58 - 63 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes

⭐ BIS 301: Foundations of Interdisciplinary Studies (L)	3	C	

Global Awareness (G)	3		

Term hours subtotal: 6

Term 6 - A 64 - 69 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes

⭐ BIS 302: Interdisciplinary Inquiry	3	C	

Upper Division Concentration #1 Course	3	C	

Term hours subtotal: 6

Term 6 - B 70 - 75 Credit Hours	Hours	Minimum Grade	Notes

Upper Division Concentration #1 Course	3	C	

Upper Division Concentration #2 Course	3	C	

Term hours subtotal: 6

Term 7 - A 76 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Concentration #1 Course	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		
Term 7 - B 82 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Concentration #2 Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		
Term 8 - A 88 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Concentration #1 Course	3	C	
Elective	3		
Term hours subtotal:	6		
Term 8 - B 94 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Concentration #2 Course	3	C	
Elective	3		
Term hours subtotal:	6		
Term 9 - A 100 - 105 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Concentration #2 Course	3	C	
Term hours subtotal:	6		
Term 9 - B 106 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIS 401: Applied Interdisciplinary Studies	3	C	
Elective	3		
Term hours subtotal:	6		
Term 10 - A 112 - 117 Credit Hours	Hours	Minimum Grade	Notes
BIS 402: Senior Seminar (L)	3	C	
Elective	3		
Term hours subtotal:	6		
Term 10 - B 118 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		

Term hours subtotal: 3

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Interdisciplinary Studies (Organizational Studies), BIS

School of Letters and Sciences

LSORGBIS

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101-UC: The ASU Experience		1		
MAT 142: College Mathematics (MA) OR Mathematics (MA)		3		
Humanities, Arts and Design (HU)		3		
Social-Behavioral Sciences (SB)		3		
Elective		3		
Term hours subtotal:		16		
Term 2 17 - 32 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Humanities, Arts and Design (HU)		3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)		4		
Elective		6		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		16		
Term 3 33 - 47 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)		3		
Cultural Diversity in the U.S. (C)		3	C	
Social-Behavioral Sciences (SB)		3		
Elective		6		
 Complete Mathematics (MA) requirement.				
Term hours subtotal:		15		
Term 4 48 - 63 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
Global Awareness (G)		3		
Historical Awareness (H)		3		

 Natural Science - Quantitative (SQ)	4
Literacy and Critical Inquiry (L)	3
Elective	3
Term hours subtotal:	16

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIS 300: Theories and Applications of Organizational Studies (L)	3	C	
 BIS 340: Organizational Skills (L)	3	C	
 BIS 345: Organizational Ethics (L or HU)	3	C	
 BIS 350: Diversity and Organizations (L & C)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
 Milestone: Three of the following BIS courses (340, 343, 345, 350, 353, 357, 360) must be completed with a grade of "C" or better prior to registration for BIS 301.			
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIS 301: Foundations of Interdisciplinary Studies (L)	3	C	
 BIS 340: Organizational Skills (L)	3	C	
BIS 343: Social Processes in Organizations	3	C	
BIS 360: Organizational Contexts	3	C	
Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIS 302: Interdisciplinary Inquiry	3	C	
 BIS 353: Interdisciplinary Leadership	3	C	
BIS 360: Organizational Contexts	6	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIS 357: Assessment in Organizations	3	C	
 BIS 401: Applied Interdisciplinary Studies	3	C	
 BIS 402: Senior Seminar (L)	3	C	
Elective	3		
Term hours subtotal:	12		

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Interdisciplinary Studies (Organizational Studies), BIS

School of Letters and Sciences

Online
LSORGBIS

Term 1 - A 1 - 7 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
ASU 101-UC: The ASU Experience		1		• An SAT, ACT, Accuplacer or TOEFL score determines placement into first-year composition courses. • ASU Math Placement exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all Freshmen.
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)		3		
Term hours subtotal:		7		
Term 1 - B 8 - 13 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
	MAT 142: College Mathematics (MA) OR Mathematics (MA)	3		
Term hours subtotal:		6		
Term 2 - A 14 - 19 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	Social-Behavioral Sciences (SB)	3		
Elective		3		
Term hours subtotal:		6		
Term 2 - B 20 - 25 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)		3	C	
Humanities, Arts and Design (HU)		3		
	Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:		6		
Term 3 - A 26 - 31 Credit Hours		Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)		3		
Global Awareness (G)		3		

Term hours subtotal: 6

Term 3 - B 32 - 38 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes

Historical Awareness (H)	3		

Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		

⚠ Complete Mathematics (MA) requirement.

Term hours subtotal: 7

Term 4 - A 39 - 44 Credit Hours	Hours	Minimum Grade	Notes

Complete 2 courses: Elective	6		

Term hours subtotal: 6

Term 4 - B 45 - 51 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes

⚠ Natural Science - Quantitative (SQ)	4		

Literacy and Critical Inquiry (L)	3		

Term hours subtotal: 7

Term 5 - A 52 - 57 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ BIS 300: Theories and Applications of Organizational Studies (L)	3	C	

★ TWC 347: Written Communication for Managers (L) OR TWC 421: Principles of Writing with Technology (L) OR TWC 452: Information in the Digital Age OR BIS 340: Organizational Skills (L)	3	C	

Term hours subtotal: 6

Term 5 - B 58 - 63 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ BIS 343: Social Processes in Organizations	3	C	

BIS 360: Organizational Contexts	3	C	

Term hours subtotal: 6

Term 6 - A 64 - 69 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

Social-Behavioral Sciences (SB)	3		

Elective	3		

★ Milestone: Three of the following BIS courses (340, 343, 345, 350, 353, 357, 360) must be completed with a grade of "C" or better prior to registration for BIS 301.

Term hours subtotal: 6

Term 6 - B 70 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ BIS 301: Foundations of Interdisciplinary Studies (L)	3	C	

★ BIS 345: Organizational Ethics (L or HU)	3	C	
Term hours subtotal:	6		
Term 7 - A 76 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIS 302: Interdisciplinary Inquiry	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		
Term 7 - B 82 - 87 Credit Hours	Hours	Minimum Grade	Notes
BIS 360: Organizational Contexts	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		
Term 8 - A 88 - 93 Credit Hours	Hours	Minimum Grade	Notes
TWC 347: Written Communication for Managers (L) OR TWC 421: Principles of Writing with Technology (L) OR TWC 452: Information in the Digital Age OR BIS 340: Organizational Skills (L)	3	C	
Elective	3		
Term hours subtotal:	6		
Term 8 - B 94 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIS 350: Diversity and Organizations (L & C)	3	C	
Elective	3		
Term hours subtotal:	6		
Term 9 - A 100 - 105 Credit Hours	Hours	Minimum Grade	Notes
BIS 353: Interdisciplinary Leadership	3	C	
Elective	3		
Term hours subtotal:	6		
Term 9 - B 106 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIS 401: Applied Interdisciplinary Studies	3	C	
BIS 360: Organizational Contexts	3	C	
Term hours subtotal:	6		
Term 10 - A 112 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIS 402: Senior Seminar (L)	3	C	
BIS 357: Assessment in Organizations	3	C	
Term hours subtotal:	6		

Term 10 - B 118 - 120 Credit Hours	Hours	Minimum Grade	Notes
Elective	3		
Term hours subtotal:	3		

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

- General University Requirements Legend**
- General Studies Core Requirements:
- Literacy and Critical Inquiry (L)
 - Mathematical Studies (MA)
 - Computer/Statistics/Quantitative Applications (CS)
 - Humanities, Arts and Design (HU)
 - Social-Behavioral Sciences (SB)
 - Natural Science - Quantitative (SQ)
 - Natural Science - General (SG)

- General Studies Awareness Requirements:
- Cultural Diversity in the U.S. (C)
 - Global Awareness (G)
 - Historical Awareness (H)
- First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Liberal Studies, BLS**

School of Letters and Sciences

Online

LABLSBLS

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer or TOEFL score determines placement into first-year composition courses. • ASU Math Placement exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all Freshmen.
ASU 101-UC: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		

Term 1 - B 8 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3		
Term hours subtotal:	6		

Term 2 - A 14 - 19 Credit Hours	Hours	Minimum Grade	Notes
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	6		

Term 2 - B 20 - 25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Social-Behavioral Sciences (SB)	3		
Historical Awareness (H)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 26 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Humanities, Arts and Design (HU)	3		
Elective	3		

Term hours subtotal: 6

Term 3 - B 32 - 37 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

Computer/Statistics/Quantitative Applications (CS)

3

Literacy and Critical Inquiry (L)

3

 Complete Mathematics (MA) requirement.

Term hours subtotal: 6

Term 4 - A 38 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

Global Awareness (G)

3

 Natural Science - General (SG) OR
Natural Science - Quantitative (SQ)

4

Term hours subtotal: 7

Term 4 - B 45 - 50 Credit Hours	Hours	Minimum Grade	Notes

Cultural Diversity in the U.S. (C)

3

Elective

3

Term hours subtotal: 6

Term 5 - A 51 - 57 Credit Hours	Hours	Minimum Grade	Notes

Natural Science - Quantitative (SQ)

4

Elective

3

Term hours subtotal: 7

Term 5 - B 58 - 63 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

 BIS 370: Dimensions of Liberal Studies (L)

3

C

Upper Division Liberal Studies Humanities

3

C

Term hours subtotal: 6

Term 6 - A 64 - 69 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

 Upper Division Liberal Studies Humanities

3

C

Upper Division Liberal Studies Social Sciences

3

C

Term hours subtotal: 6

Term 6 - B 70 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

 Upper Division Liberal Studies Social Sciences

3

C

Upper Division Liberal Studies Humanities

3

C

Term hours subtotal: 6

Minimum

Term 7 - A	76 - 81 Credit Hours	Hours	Grade	Notes
	Upper Division Literacy and Critical Inquiry (L)	3		
	Elective	3		
	Term hours subtotal:	6		
Term 7 - B	82 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	Upper Division Liberal Studies Humanities	3	C	
	Upper Division Liberal Studies Social Sciences	3	C	
	Term hours subtotal:	6		
Term 8 - A	88 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	Upper Division Liberal Studies Social Sciences	3	C	
	Elective	3		
	Term hours subtotal:	6		
Term 8 - B	94 - 99 Credit Hours	Hours	Minimum Grade	Notes
	Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
	Upper Division Elective	3		
	Term hours subtotal:	6		
Term 9 - A	100 - 105 Credit Hours	Hours	Minimum Grade	Notes
	Upper Division Elective	3		
	Elective	3		
	Term hours subtotal:	6		
Term 9 - B	106 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	BIS 470: Liberal Studies Seminar (L)	3	C	
	Elective	3		
	Term hours subtotal:	6		
Term 10 - A	112 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	Upper Division Elective	3		
	Elective	3		
	Term hours subtotal:	6		
Term 10 - B	118 - 120 Credit Hours	Hours	Minimum Grade	Notes
	Elective	3		
	Term hours subtotal:	3		

Liberal Studies Social Sciences

ASB Upper Division Elective

ASM Upper Division Elective

BIS Upper Division Elective

CDE Upper Division Elective

COM Upper Division Elective

CRJ Upper Division Elective

EDP Upper Division Elective

FAS Upper Division Elective

GCU Upper Division Elective

JUS Upper Division Elective

OGI Upper Division Elective

PAF Upper Division Elective

PSY Upper Division Elective

POS Upper Division Elective

PRM Upper Division Elective

SBS Upper Division Elective

SOC Upper Division Elective

STS Upper Division Elective

SWU Upper Division Elective

TCL Upper Division Elective

WST Upper Division Elective

Liberal Studies Humanities

APA Upper Division Elective

ARA Upper Division Elective

ARS Upper Division Elective

ENG Upper Division Elective

FMS Upper Division Elective

HST Upper Division Elective

MCO Upper Division Elective

PHI Upper Division Elective

REL Upper Division Elective

THE Upper Division Elective

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

Total Community College Hrs: 64
maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Organizational Leadership, BA

School of Letters and Sciences

LSORGLBA

Term 1 0 - 17 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer or TOEFL score determines placement into first-year composition courses. • ASU Math Placement exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all Freshmen.
	ASU 101: The ASU Experience	1		
	BIO 100: The Living World (SQ)	4		
	HST 101: Global History Since 1500 (HU & H & G)	3		
	MAT 117: College Algebra (MA)	3		
	PSY 101: Introduction to Psychology (SB)	3		
	Term hours subtotal:	17		
Term 2 18 - 32 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
	COM 100: Introduction to Human Communication (SB)	3		
	COM 225: Public Speaking (L)	3		
	ECN 211: Macroeconomic Principles (SB)	3		
	SOS 111: Sustainable Cities ((HU or SB) & G)	3		
	Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
	Term hours subtotal:	15		
Term 3 33 - 48 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	OGL 200: Introduction to Organizational Leadership	3	C	• COM 250 in term 4 requires a minimum 2.25 cumulative ASU G.P.A.
	OGL 240: Introduction to Project Management	3	C	
	COM 263: Elements of Intercultural Communication (SB & C & G)	3		
	GLG 108: Water Planet (SQ)	4		
	STP 226: Elements of Statistics (CS)	3		
	Complete Mathematics (MA) requirement.			
	Term hours subtotal:	16		
Term 4 49 - 63 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes

❗ OGL 220: Behavioral Dynamics in Organizations	3	C
❗ OGL 260: Resource Allocation in Organizations	3	C
COM 250: Introduction to Organizational Communication (SB)	3	
Complete 2 courses: Elective	6	
Term hours subtotal:	15	

Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 301: Writing for the Professions (L)	3		
★ OGL 300: Theory and Practice of Leadership	3	C	
★ OGL 360: Assessment of Leadership Effectiveness	3	C	
PSY 350: Social Psychology (SB)	3		
Upper Division Concentration Area Course	3	C	
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 430: Leadership in Group Communication	3	C	
★ OGL 350: Diversity and Organizations	3	C	
Complete 2 courses: Upper Division Concentration Area Course	6	C	
Elective	3		
Term hours subtotal:	15		

Term 7 94 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHI 360: Business and Professional Ethics (HU)	3	C	
Complete 3 courses: Upper Division Concentration Area Course	9	C	
Term hours subtotal:	12		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 498: Pro-Seminar	6	C	
Complete 3 courses: Elective	9		
Term hours subtotal:	15		

- Students must choose one concentration area completing 18 upper division credit hours. Choose from the following:

Concentration Option #1: Organizational Behavior

Concentration Option #2: Project Management

Concentration Option #3: Organizational Leadership Concentration - Students may select three (3) courses from the Organizational Behavioral concentration AND three (3) courses from the Project Management concentration (18 hours total) for a third concentration area

called Organizational Leadership.

Organizational Behavior Concentration

COM 312: Communication, Conflict, and Negotiation

OGL 355: Leading Organizational Innovation and Change

PSY 430: Industrial Psychology

PSY 453: Organizational Behavior (SB)

SOC 321: Sociology of Work (SB)

SOC 419: Organizations and Technological Change (G)

Project Management Concentration

OGL 321: Project Leadership, Strategy and Scope

OGL 322: Project Time Management

OGL 323: Project Cost Management

OGL 324: Resources in Project Management

OGL 326: Project Procurement Management

OGL 421: Project Risk Management

OGL 422: Project Quality Management

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Organizational Leadership, BA**

School of Letters and Sciences
Online
LSORGLBA

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer or TOEFL score determines placement into first-year composition courses. • ASU Math Placement exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all Freshmen
ASU 101: The ASU Experience	1		
Lower Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	7		
Term 1 - B 8 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• COM 250 in term 2A requires a minimum 2.25 cumulative ASU G.P.A.
Lower Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		
Term 2 - A 14 - 19 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 250: Introduction to Organizational Communication (SB)	3	C	
 Mathematics (MA)	3		
Term hours subtotal:	6		
Term 2 - B 20 - 25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 OGL 200: Introduction to Organizational Leadership	3	C	
Lower Division Humanities, Arts and Design (HU)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 26 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 OGL 220: Behavioral Dynamics in Organizations	3	C	

Lower Division Social-Behavioral Sciences (SB)	3
Term hours subtotal:	6

Term 3 - B 32 - 38 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 OGL 240: Introduction to Project Management	3	C	
Lower Division Natural Science - Quantitative (SQ)	4		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		

Term 4 - A 39 - 44 Credit Hours	Hours	Minimum Grade	Notes
Lower Division Literacy and Critical Inquiry (L)	3		
Computer/Statistics/Quantitative Applications (CS)	3		
Term hours subtotal:	6		

Term 4 - B 45 - 50 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 OGL 260: Resource Allocation in Organizations	3	C	
Global Awareness (G)	3		
Term hours subtotal:	6		

Term 5 - A 51 - 57 Credit Hours	Hours	Minimum Grade	Notes
Lower Division Natural Science - General (SG) OR Lower Division Natural Science - Quantitative (SQ)	4		
Historical Awareness (H)	3		
Term hours subtotal:	7		

Term 5 - B 58 - 63 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 OGL 300: Theory and Practice of Leadership OR PAF 410: Building Leadership Skills (SB)	3	C	
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		

Term 6 - A 64 - 69 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIS 345: Organizational Ethics (L or HU)	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 6 - B 70 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIS 343: Social Processes in Organizations	3	C	
OGL 321: Project Leadership, Strategy and Scope	3	C	
Term hours subtotal:	6		

Term 7 - A 76 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 350: Diversity and Organizations	3	C	
Elective	3		
Term hours subtotal:	6		
Term 7 - B 82 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 355: Leading Organizational Innovation and Change OR PAF 311: Leadership and Change (SB)	3	C	
Elective	3		
Term hours subtotal:	6		
Term 8 - A 88 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIS 357: Assessment in Organizations	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		
Term 8 - B 94 - 99 Credit Hours	Hours	Minimum Grade	Notes
BIS 360: Organizational Contexts	3	C	
Elective	3		
Term hours subtotal:	6		
Term 9 - A 100 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 360: Assessment of Leadership Effectiveness	3	C	
Elective	3		
Term hours subtotal:	6		
Term 9 - B 106 - 111 Credit Hours	Hours	Minimum Grade	Notes
COM 430: Leadership in Group Communication	3	C	
TWC 347: Written Communication for Managers (L)	3	C	
Term hours subtotal:	6		
Term 10 - A 112 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ OGL 498: Pro-Seminar	6	C	
Term hours subtotal:	6		
Term 10 - B 118 - 120 Credit Hours	Hours	Minimum Grade	Notes
Elective	3		
Term hours subtotal:	3		

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Science, Technology and Society, BS

School of Letters and Sciences

Polytechnic campus
ECSTSBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 STS 101: Introduction to Science, Technology, and Society (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • Transfer students with 64 credit hours or more transferred must take STS 304 instead of STS 101.
ASU 101: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 STS 110: Global Technology and Development (SB & G)	3	C	• It is highly recommended that STS students take a statistics course for their (CS) general studies requirement. • Transfer students with 64 credit hours or more transferred must take STS 317 instead of STS 110.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 15

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Natural Science - Quantitative (SQ)	4		• Discuss required Minor for the degree with your Academic Advisor.
Social-Behavioral Sciences (SB)	3		
Minor Course	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 STS 301: Research in Science and Technology Studies (SB)	3	C	
STS 302: Philosophy of Science and Technology (SB)	3	C	
Minor Course	3	C	
Complete 2 courses: Upper Division Track Focus Area Course	6	C	
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 STS 303: History of Science and Technology (H)	3	C	
 STS 305: Science and Social Theory (SB)	3	C	
Upper Division Minor Course	3	C	
Complete 2 courses: Upper Division Track Focus Area Course	6	C	
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 STS 306: Social Effects of Science and Technology (SB)	3	C	
Upper Division Minor Course	3	C	
Upper Division Track Focus Area Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Milestone: STS 305, 306 must be completed by end of term seven.			
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 STS 484: Internship	3	C	
Complete 2 courses: Upper Division Minor Course	6	C	
Upper Division Track Focus Area Course	3	C	
Term hours subtotal:	12		

- Discuss required Minor for the degree with your Academic Advisor.

Students must select one "Upper Division Track Focus Area" to complete from choices below.

General Science, Technology and Society Track Focus Area Option #1

Select 18 upper division credits in
consultation with STS Academic Advisor

Science, Technology and Governance Track Option #2

POS 310: American National Government
(SB)

STS 318: Science, Technology, and
Government (SB)

STS 325: Science, Technology, and Public
Policy (SB)

STS 331: Ethical Issues in Science and
Technology (SB)

STS 364: Science, Technology, and
National Security (SB)

STS 425: Law, Values, Science, and
Technology (SB)

Global Technology and Development Track Option #3

STS 328: Science, Technology, and
Culture (SB)

STS 329: Cultivating Technology in
Newly Industrializing Countries (SB & G)

STS 330: Information Technology and
Globalization (SB & G)

STS 331: Ethical Issues in Science and
Technology (SB)

STS 332: Global Issues in Science and
Technology (SB & G)

STS 364: Science, Technology, and
National Security (SB)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Technical Communication, BS

School of Letters and Sciences
LSTECBS

Term 1 0 - 14 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101: The ASU Experience		1		
MAT 142: College Mathematics (MA) OR Mathematics (MA)		3	C	
Humanities, Arts and Design (HU)		3		
Natural Science - Quantitative (SQ)		4		
Term hours subtotal:		14		
Term 2 15 - 30 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Computer/Statistics/Quantitative Applications (CS)		3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)		4		
Social-Behavioral Sciences (SB)		3		
Elective		3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		16		
Term 3 31 - 45 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 Related Area Course		3	C	Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Writing for the web- courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor
Cultural Diversity in the U.S. (C)		3		
Humanities, Arts and Design (HU)		3		
Social-Behavioral Sciences (SB)		3		
Elective		3		
 Complete Mathematics (MA) requirement.				
Term hours subtotal:		15		

Term 4	46 - 60 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)		3		
	Global Awareness (G)		3		
	Historical Awareness (H)		3		
	Complete 2 courses: Elective		6		
	Term hours subtotal:		15		
Term 5	61 - 75 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes
	TWC 301: General Principles of Multimedia Writing (L)		3	C	
	TWC 401: Principles of Technical Communication (L)		3	C	
	Complete 3 courses: Elective		9		
	Term hours subtotal:		15		
Term 6	76 - 90 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes
	TWC 411: Principles of Visual Communication (L)		3	C	
	TWC 44* Elective OR TWC 45* Elective		3	C	
	TWC Upper Division Elective		3	C	
	Upper Division Related Area Course		3	C	
	Elective		3		
	Term hours subtotal:		15		• TWC Upper Division Elective: any TWC 300/400 course will fulfill this area, however an internship (TWC 484) or supervised work experience is strongly recommended. • Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Writing for the web- courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.
Term 7	91 - 105 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes
	TWC 421: Principles of Writing with Technology (L)		3	C	
	TWC 44* Elective OR TWC 45* Elective		3	C	
					• TWC Upper Division Elective: Any TWC 300/400 course will fulfill this area, however an

TWC Upper Division Elective	3	C
Upper Division Related Area Course	3	C
Elective	3	
Term hours subtotal:	15	

internship (TWC 484) or supervised work experience is strongly recommended.

- Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Writing for the web- courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TWC 431: Principles of Technical Editing (L)	3	C	• TWC Upper Division Elective: Any TWC 300/400 course will fulfill this area, however an internship (TWC 484) or supervised work experience is strongly recommended. • Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Writing for the web- courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.
 TWC 490: Capstone	3	C	
TWC Upper Division Elective	3	C	
Upper Division Related Area Course	3	C	
Elective	3		
Term hours subtotal:	15		

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Technical Communication, BS**

School of Letters and Sciences

Online

LSTECBS

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer or TOEFL score determines placement into first-year composition courses. • ASU Math Placement exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all Freshmen.
ASU 101-UC: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		
Term 1 - B 8 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3		
Term hours subtotal:	6		
Term 2 - A 14 - 19 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	6		
Term 2 - B 20 - 25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Humanities, Arts and Design (HU)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 26 - 32 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		

Social-Behavioral Sciences (SB)	3
Term hours subtotal:	7

Term 3 - B 33 - 38 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Related Area course	3	C	Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Writing for the web- courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 39 - 44 Credit Hours	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
Historical Awareness (H)	3		
Term hours subtotal:	6		

Term 4 - B 45 - 51 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Natural Science - Quantitative (SQ)	4		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	7		

Term 5 - A 52 - 57 Credit Hours	Hours	Minimum Grade	Notes
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	6		

Term 5 - B 58 - 63 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TWC 301: General Principles of Multimedia Writing (L)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 6 - A 64 - 69 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Related area course	3	C	Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Writing for the web- courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.
Elective	3		
Term hours subtotal:	6		

Term 6 - B 70 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 401: Principles of Technical Communication (L)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 7 - A 76 - 81 Credit Hours	Hours	Minimum Grade	Notes
TWC 44* Elective OR TWC 45* Elective	3	C	Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Writing for the web- courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.
Upper Division Related area course	3	C	
Term hours subtotal:	6		

Term 7 - B 82 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ TWC 411: Principles of Visual Communication (L)	3	C
Upper Division Related area course	3	C
Term hours subtotal:	6	

- Students must take 12 credits in a related area (minimum of 9 credits upper division). Select courses that will provide you with additional technical expertise in an area related to your career interest. For example: Software industry- courses in software engineering; Writing for the web- courses in internet and web development; Design-related fields - courses in graphic information technology. Related area courses should be selected in consultation with a Technical Communication advisor.

Term 8 - A 88 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 44* Elective OR TWC 45* Elective	3	C	• TWC Upper Division Elective: any TWC 300/400 course will fulfill this area, however an internship (TWC 484) or supervised work experience is strongly recommended.
TWC Upper Division Elective	3	C	
Term hours subtotal:	6		

Term 8 - B 94 - 99 Credit Hours	Hours	Minimum Grade	Notes
TWC Upper Division Elective	3	C	• TWC Upper Division Elective: any TWC 300/400 course will fulfill this area, however an internship (TWC 484) or supervised work experience is strongly recommended.
Elective	3		
Term hours subtotal:	6		

Term 9 - A 100 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 421: Principles of Writing with Technology (L)	3	C	• TWC Upper Division Elective: any TWC 300/400 course will fulfill this area, however an internship (TWC 484) or supervised work experience is strongly recommended.
TWC Upper Division Elective	3	C	
Term hours subtotal:	6		

Term 9 - B 106 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ TWC 431: Principles of Technical Editing (L)	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Term hours subtotal:	6	

Term 10 - A 112 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 490: Capstone	3	C	
Elective	3		
Term hours subtotal:	6		

Term 10 - B 118 - 120 Credit Hours	Hours	Minimum Grade	Notes
Elective	3		
Term hours subtotal:	3		

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Actuarial Science, BS

College of Liberal Arts and Sciences

Tempe campus
LAACTBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CIS 105: Computer Applications and Information Technology (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • CIS 105 will complete the Computer Science (CS) requirement and will fulfill prerequisite for ACT 201.
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	B	
 MAT 270: Calculus with Analytic Geometry I (MA)	4	B	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 191: First-Year Seminar or LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Maintain 3.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACT 201: Introduction to Elements and Techniques of Actuarial Science	3	B	• Meet with your academic advisor to reflect on your first year of classes and map our coursework towards a timely graduation. • ECN 212 and 211: VEE Requirement sequence for Economics by the Society of Actuaries (SOA), Casualty Actuarial Society (CAS), and Canadian Institute of Actuaries (CIA)
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	B	
 MAT 271: Calculus with Analytic Geometry II (MA)	4	B	
COM 225: Public Speaking (L) OR Literacy and Critical Inquiry (L)	3		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 3.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	B	• Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU) • Students seeking VEE Accreditation, select
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		

 Complete First-Year Composition requirement.
Complete Mathematics (MA) requirement.
Maintain 3.50 GPA in Critical Tracking Courses.
Term hours subtotal: 17

elective from course list below.

Term 4 48 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACT 310: Mathematics of Finance	4	B	• Meet with your academic advisor to discuss options for adding a minor, certificate or concurrent major to your degree program. • Students seeking VEE Accreditation, select elective from course list below.
 MAT 343: Applied Linear Algebra	3	B	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Maintain 3.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ACT 415: Probability for Risk Management	3	B	• Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation. • Students seeking VEE Accreditation, select elective from course list below.
 MAT 300: Mathematical Structures (L)	3	C	
 STP 420: Introductory Applied Statistics (CS)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Maintain 3.00 GPA in Major Courses.			
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ACT 430: Mathematics of Financial Derivatives	3	B	• Meet with a career counselor from ASU Career Services for a review of your resume and interviewing tips for success.
 MAT 371: Advanced Calculus I	3	C	
 STP 427: Mathematical Statistics	3	B	
Upper Division CLAS Science and Society Elective	3	C	
Global Awareness (G)	3		
Maintain 3.00 GPA in Major Courses.			
Term hours subtotal:	15		

Term 7 92 - 104 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ACT 440: Life Contingencies I	3	C	• Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation. • STP 429: VEE sequence requirement for Applied Statistical Methods by the Society of Actuaries
 ACT 450: Actuarial Models and Modeling I	3	C	
 ACT 491: Actuarial Exam Preparation Seminar	1	Y	
STP 429: Experimental Statistics (CS)	3	B	
Upper Division Literacy and Critical Inquiry (L)	3		

Maintain 3.00 GPA in Major Courses.

Term hours subtotal: 13

(SOA), Casualty Actuarial Society (CAS), and Canadian Institute of Actuaries (CIA)

Term 8 105 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ACT 441: Life Contingencies II	3	C	• Meet with your academic advisor for final degree check and apply for graduation through your My ASU. • Students seeking VEE Accreditation, select elective from course list below.
★ ACT 451: Actuarial Models and Modeling II	3	C	
★ ACT 491: Actuarial Exam Preparation Seminar	1	Y	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
Maintain 3.00 GPA in Major Courses.			
Term hours subtotal:		16	

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.
- The object of the degree is to prepare students to sit for the exams to gain certification as an actuary. One of the optional certifications that individuals may pursue is completion of the VEE requirements from Society of Actuaries or Casualty Actuarial Society. This certification requires additional experience not covered in the maximum allowed for the degree. However, students may decide to take these additional courses in their 15 hours of elective credit. ASU courses that meet VEE requirements include:
 - ECN 211 and ECN 212 - requirement sequence for Economics
 - FIN 300 (prerequisites: ACC 231 and ACC 241) - requirement for Corporate Finance
 - ECN 410 (prerequisites: ECN 221 (or ECN 231 or IEE 380 or STP 226) with C or better; ECN 214 or ECN 312 with C or better) and STP 429 (prerequisite: STP 420) - requirement sequence for Applied Statistical Methods

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
African and African American Studies - African Diaspora Studies, BA

College of Liberal Arts and Sciences

LAAFRBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AFR 200: Introduction to African and African Diaspora Studies (SB & G & H)	3	C	• An ACT, SAT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in mathematics course • ASU 101 or college specific equivalent First Year Seminar required of all freshmen
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Related Area Courses	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 45 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AFR 301: Race and Racism in Africa/African Diaspora (SB & G)	3	C	
Related Area Courses	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	17		

Term 5 62 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
AFR 302: History of Black Women in America (SB & H) OR  AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB & H) OR AFR 345: Peoples and Cultures of the Caribbean (SB & G & H)	3	C	
Upper Division African Diaspora Courses	3	C	
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 77 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
AFR 302: History of Black Women in America (SB & H) OR  AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB & H) OR AFR 345: Peoples and Cultures of the Caribbean (SB & G & H)	3	C	
Upper Division African Diaspora Courses	3	C	
Related Area Courses	3	C	
Complete 2 courses: Elective	5		
Term hours subtotal:	14		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Related Area Courses	3	C	
Complete 2 courses: Upper Division African Diaspora Courses	6	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AFR 498: Pro-Seminar	3	C	
 Upper Division Related Area Courses	3	C	
Upper Division African Diaspora Courses	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		

Related Area Courses

AFR 202: Immigration and Ethnic Relations in the U.S. (SB & H & C)

AFR 210: Introduction to African American Studies (C)

AFR 215: Bob Marley and Reggae: Lyrics of Resistance (HU & G)

AFR 304: Islands of Globalization: Caribbean Politics and Political Economy (SB & G & H)

AFR 310: African/African American Psychology

AFR 330: Survey of African American Politics (SB & H)

AFR 332: Life and Death in Ancient Egypt

AFR 335: Historical Studies in Race, Crime, and the Law

AFR 350: Inequality and Diversity in Education (C)

AFR 355: Democracy and Civil Society in Africa

AFR 360: Black Families in the Diaspora: U.S. and Caribbean (SB & C)

AFR 366: African Archaeology: Precolonial Urban Culture (SB & G & H)

AFR 370: Family, Ethnic and Cultural Diversity (SB & C)

AFR 372: Islam and Islamic Societies in Africa: Social and Political History (G)

AFR 375: Race, Gender and Sport (SB & C)

AFR 380: Health Issues in the African American Community

AFR 383: Blacks in Science, Medicine and Public Health

AFR 420: Race Ethnicity and Politics in the African Diaspora (SB & G)

AFR 428: Critical Race Theory

AFR 466: Peoples and Cultures of Africa (SB & G & H)

AFR 470: Women's International Human Rights

AFR 480: Different Voices Within Contemporary Islamic Discourse

African Diaspora Courses

AFR 301: Race and Racism in Africa/African Diaspora (SB & G)

AFR 304: Islands of Globalization:
Caribbean Politics and Political Economy
(SB & G & H)

AFR 312: Contemporary African and
African Diaspora Women

AFR 360: Black Families in the Diaspora:
U.S. and Caribbean (SB & C)

AFR 363: African American History to
1865 (SB & H & C)

AFR 364: African American History
Since 1865 ((HU or SB) & C & H)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
African and African American Studies - African Studies, BA
 College of Liberal Arts and Sciences
 LAAFRBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AFR 200: Introduction to African and African Diaspora Studies (SB & G & H)	3	C	• An ACT, SAT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in mathematics course • ASU 101 or college specific equivalent First Year Seminar required of all freshmen
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Related Area Courses	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Cultural Diversity in the U.S. (C)	3		
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Related Area Courses	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4	45 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
	AFR 301: Race and Racism in Africa/African Diaspora (SB & G)	3	C	
	Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
	Literacy and Critical Inquiry (L)	3		
	Natural Science - Quantitative (SQ)	4		
	Elective	2		
	Term hours subtotal:	16		
Term 5	61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
	AFR 300: Precolonial Africa (SB & G & H) OR AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB & H) OR AFR 340: The Making of Modern Africa (SB & G & H)	3	C	
	Upper Division African Studies Course	3	C	
	Related Area Courses	3	C	
	Elective	6		
	Term hours subtotal:	15		
Term 6	76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
	AFR 300: Precolonial Africa (SB & G & H) OR AFR 305: The Global History of the Trans-Atlantic Slave Trade (SB & H) OR AFR 340: The Making of Modern Africa (SB & G & H)	3	C	
	Upper Division African Studies Course	3	C	
	Upper Division Related Area Courses	3	C	
	Humanities, Arts and Design (HU)	3		
	Elective	3		
	Term hours subtotal:	15		
Term 7	91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
	Complete 2 courses: Upper Division African Studies Course	6	C	
	Upper Division Related Area Courses	3	C	
	Complete 2 courses: Upper Division Elective	6		
	Term hours subtotal:	15		
Term 8	106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
	AFR 498: Pro-Seminar	3	C	
	Upper Division African Studies Course	3	C	
	Upper Division Literacy and Critical Inquiry (L)	3		
	Upper Division Elective	3		

- **African Studies and Related Area Courses:** To see a complete list of available courses schedule an appointment with an advisor in the School of Social Transformation. The following is a sample of the courses that will qualify for these areas.

African Studies Courses

AFR 320: Africa: Politics, Environment, and Development

AFR 327: Human Rights in Africa

AFR 332: Life and Death in Ancient Egypt

AFR 355: Democracy and Civil Society in Africa

AFR 366: African Archaeology: Precolonial Urban Culture (SB & G & H)

AFR 372: Islam and Islamic Societies in Africa: Social and Political History (G)

AFR 466: Peoples and Cultures of Africa (SB & G & H)

Related Area Courses

AFR 202: Immigration and Ethnic Relations in the U.S. (SB & H & C)

AFR 210: Introduction to African American Studies (C)

AFR 215: Bob Marley and Reggae: Lyrics of Resistance (HU & G)

AFR 300: Precolonial Africa (SB & G & H)

AFR 304: Islands of Globalization: Caribbean Politics and Political Economy (SB & G & H)

AFR 330: Survey of African American Politics (SB & H)

AFR 332: Life and Death in Ancient Egypt

AFR 335: Historical Studies in Race, Crime, and the Law

AFR 336: African Art (HU & G)

AFR 350: Inequality and Diversity in Education (C)

AFR 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)

AFR 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)

AFR 355: Democracy and Civil Society in Africa

AFR 360: Black Families in the Diaspora: U.S. and Caribbean (SB & C)

AFR 364: African American History
Since 1865 ((HU or SB) & C & H)

AFR 365: Unruly Voices: Black Women
and Cultural Narratives (HU & C)

AFR 366: African Archaeology:
Precolonial Urban Culture (SB & G & H)

AFR 465: Harlem Renaissance: a Cultural
History: 1877-1945

AFR 370: Family, Ethnic and Cultural
Diversity (SB & C)

AFR 372: Islam and Islamic Societies in
Africa: Social and Political History (G)

AFR 375: Race, Gender and Sport (SB &
C)

AFR 380: Health Issues in the African
American Community

AFR 383: Blacks in Science, Medicine
and Public Health

AFR 420: Race Ethnicity and Politics in
the African Diaspora (SB & G)

AFR 428: Critical Race Theory

AFR 466: Peoples and Cultures of Africa
(SB & G & H)

AFR 470: Women's International Human
Rights

AFR 480: Different Voices Within
Contemporary Islamic Discourse

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map American Indian Studies, BS

College of Liberal Arts and Sciences

Tempe campus
LAAISBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AIS 180: Introduction to American Indian Studies (C)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	16		
Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AIS 280: American Indian Sovereignty and the Courts (H & C)	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AIS Emphasis Area Course	3	C	• Students are encouraged to take AIS 294: Readings and Writings in American Indian Studies as a pre-requisite to success in upper division courses in the major. The course can be used toward the area of emphasis selected.
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AIS 285: Federal Indian Policy (H & C)	3	C	
 AIS Emphasis Area Course	3	C	
CLAS Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	16		
Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AIS 370: American Indian Languages and Cultures (C)	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division AIS Emphasis Area	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		
Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AIS 380: Contemporary Issues of American Indian Nations (C)	3	C	
 Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	C	
JUS 302: Statistical Analysis for Justice Studies (CS)	3	C	
Upper Division AIS Emphasis Area	3	C	
Elective	3		
Term hours subtotal:	15		
Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AIS 420: American Indian Studies Research Methods (L)	3	C	For the UD Emphasis Area Course: AIS 484 Internship is strongly recommended in either term 7 or 8.
 AIS 484: Internship	3	C	
Complete 2 courses: Upper Division Elective	6		
Elective	3		
Term hours subtotal:	15		
Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AIS 498: Pro-Seminar	3	C	For the UD Emphasis Area Course: AIS 484 Internship is strongly recommended in either term 7 or 8.
Upper Division AIS Emphasis Area	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.
- Students in the B.S. American Indian Studies choose 18 hours in one of two emphasis areas shown in the track groups below.

Legal Policy, Community and Economic Development Emphasis Area

AIS 294: Reading and Writing in American Indian Studies

AIS 360: Issues in Urban Indian Country

AIS 394: Entrepreneurship for American Indian Sustainability

AIS 394: Economic Development in American Indian Tribal Nations

AIS 394: Innovation for American Indian Sustainability

AIS 455: Human Rights and Cultural Resource Laws

AIS 470: Tribal Governance

AIS 480: Actualizing Decolonization

AIS 484: Internship

AIS 494: Principles of American Indian Leadership

AIS 494: Crime in Indian Country

AIS 494: American Indian Rights

AIS 499: Individualized Instruction

Arts, Languages and Cultures Emphasis Area

AIS 194: Beginning Navajo I

AIS 194: Beginning Navajo II

AIS 294: Reading and Writing in American Indian Studies

AIS 320: American Indian Philosophies and World Views

AIS 360: Issues in Urban Indian Country

AIS 394: Intermediate Navajo I

AIS 394: Intermediate Navajo II

AIS 394: American Indian & Indigenous Film

AIS 430: Contemporary Indigenous Spirituality

AIS 480: Actualizing Decolonization

AIS 484: Internship

AIS 494: American Indians in
Cinema/Art/Media

AIS 494: Critical Issues in Indian
Education

AIS 494: Indigenous Media and
Image-Making

AIS 494: Cultural Professionalism

ENG 359: Indigenous American
Literature ((L or HU) & C)

ENG 461: Native American Literature
(HU)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Anthropology, BA

College of Liberal Arts and Sciences
Tempe campus
LAASBBA

Term 1	0 - 14 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	ASB 102: Culture in a Globalizing World (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)		3-4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • Field School Opportunities: (Archaeological, Physical or Ethnographic) can be used in place of on-campus courses. • Students must take ASB 102 and ASB 104. They will choose either ASB 222 or ASB 223.
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
	LIA 101: Student Success in the College of Liberal Arts and Sciences		1		
	MAT 142: College Mathematics (MA)		3	C	
	Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
	Maintain 2.00 GPA in Critical Tracking Courses.				
	Term hours subtotal:		14-15		

Term 2	15 - 28 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	ASB 102: Culture in a Globalizing World (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)		3-4	C	
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
	Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
	Natural Science - Quantitative (SQ)		4		
	Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
	Maintain 2.00 GPA in Critical Tracking Courses.				
	Term hours subtotal:		14-15		

Term 3	29 - 42 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	ASB 102: Culture in a Globalizing World (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR				

❗ ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)	4-3	C
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Social-Behavioral Sciences (SB)	3	
Cultural Diversity in the U.S. (C)	3	
❗ Complete First-Year Composition requirement.		
❗ Complete Mathematics (MA) requirement.		
Maintain 2.00 GPA in Critical Tracking Courses.		
Term hours subtotal:	14-13	

Term 4 43 - 58 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ Statistics course AND Computer/Statistics/Quantitative Applications (CS)	3	C	
Humanities, Arts and Design (HU)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Complete 2 courses: Elective	6		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 59 - 73 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Sociocultural Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 74 - 88 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Anthropology Practicum	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Term 7 89 - 103 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Physical Anthropology Course	3	C	
ASB OR ASM Upper Division Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Elective	3		

Term hours subtotal: 15

Term 8 104 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ASB OR ASM Upper Division Elective	3	C	
Upper Division Archaeology Course	3	C	
Complete 2 courses: Upper Division Elective	6		
Complete 2 courses: Elective	5		
Term hours subtotal:		17	

Physical Anthropology Courses

ASM 301: Peopling of the World (SB)

ASM 332: Life and Death in Ancient Egypt

ASM 341: Human Osteology

ASM 342: Evolution and Human Behavior

ASM 344: Fossil Hominids (H)

ASM 345: Disease and Human Evolution

ASM 348: Social Issues in Human Genetics (SB)

ASM 401: Health and Human Biology

ASM 443: Primatology

ASM 446: Principles of Human Genetics (L)

ASM 450: Bioarchaeology

ASM 452: Dental Anthropology (SG)

ASM 453: Human Behavior through Bone Chemistry

ASM 454: Comparative Primate Anatomy

ASM 455: Primate Behavior Laboratory (L)

ASM 456: Infectious Disease and Human Evolution

ASM 459: Forensic Anthropology

ASM 460: Human Growth and Development: An Evolutionary Perspective

Anthropology Practicum

ASB 302: Ethnographic Field Study ((L or SB) & G)

ASB 338: Archaeology of North America (SB & H)

ASB 389: Ethnographic Field Lab

ASB 430: Social Simulation (CS)

ASB 443: Cross-Cultural Studies in
Global Health ((L or SB) & G)

ASB 452: Community Partnerships for
Global Health (SB)

ASB 455: Senior Seminar in Global
Health

ASB 484: Internship

ASB 489: Doing Research in
Anthropology (SB)

ASB 499: Individualized Instruction

ASM 338: Anthropological Field Session

ASM 341: Human Osteology

ASM 344: Fossil Hominids (H)

ASM 365: Laboratory Methods in
Archaeology

ASM 414: Urban and Environmental
Health (SB)

ASM 424: Dynamic Modeling in Social
and Ecological Systems

ASM 452: Dental Anthropology (SG)

ASM 454: Comparative Primate Anatomy

ASM 455: Primate Behavior Laboratory
(L)

ASM 484: Internship

ASM 499: Individualized Instruction

SSH 402: Community Partnerships for
Global Health (SB)

SSH 403: Cross-Cultural Studies in
Global Health ((L or SB) & G)

SSH 414: Urban and Environmental
Health (SB)

SSH 484: Internship

SSH 499: Individualized Instruction

Statistics course

ASM 465: Quantification and Analysis for
Anthropologists (CS)

POS 401: Political Statistics (CS)

PSY 230: Introduction to Statistics (CS)

SOC 390: Social Statistics I (CS)

STP 226: Elements of Statistics (CS)

STP 231: Statistics for Life Science (CS)

STP 420: Introductory Applied Statistics
(CS)

Archaeology Courses

ASB 326: Human Impacts on Ancient
Environments (SB & H)

ASB 330: Thinking Through Archaeology
(SB)

ASB 335: Archaeology of the Southwest
(SB & H & C)

ASB 337: Pyramids and Hieroglyphs: Life
in Ancient Mesoamerica ((HU or SB) & G
& H)

ASB 338: Archaeology of North America
(SB & H)

ASB 361: Pleistocene Archaeology (H)

ASB 362: The Neolithic Revolution and
its Consequences (H)

ASB 366: African Archaeology:
Precolonial Urban Culture (SB & G & H)

ASB 368: Prehistoric and Historic
Hunter-Gatherers

ASB 494: Andean Archaeology

ASB 494: Archeology of Europe

ASM 338: Anthropological Field Session

ASM 350: Geoarchaeology

ASM 365: Laboratory Methods in
Archaeology

ASM 435: Archaeological Pollen Analysis

ASM 450: Bioarchaeology

ASM 472: Archaeological Ceramics

ASB 490: Earliest Cities

Sociocultural Courses

ASB 300: Food and Culture ((L or SB) &
C)

ASB 301: Global History of Health (SB &
H)

ASB 302: Ethnographic Field Study ((L or
SB) & G)

ASB 310: Precolonial Africa (SB & G &
H)

ASB 311: Principles of Social
Anthropology (SB & G & H)

ASB 314: Comparative Religion (SB)

ASB 316: Money and Culture (L or SB)

ASB 319: The North American Indian

ASB 321: Indians of the Southwest ((L or
SB) & H & C)

ASB 322: Peoples of Latin America ((L or
SB) & G)

ASB 324: Peoples of the Pacific (G)

ASB 325: Peoples of Southeast Asia (G)

ASB 327: Disaster!

ASB 328: Rules, Games, and Society (L)

ASB 336: African Art (HU & G)

ASB 344: Technology and Society (L or
SB)

ASB 350: Anthropology and Art (HU)

ASB 353: Death and Dying in
Cross-Cultural Perspective ((HU or SB) &
G)

ASB 355: Traditional Medicine and
Healing (HU or SB)

ASB 370: Production, People, and
Environments (L or SB)

ASB 371: Inequality and Sustainability
(L)

ASB 375: Environmental Anthropology
((L or SB) & G)

ASB 378: Migration and Society (SB &
C)

ASB 389: Ethnographic Field Lab

ASB 402: Visual Anthropology

ASB 410: Poverty, Social Justice, and
Global Health ((L or SB) & G)

ASB 412: History of Anthropology (L or
SB)

ASB 417: Political Anthropology (L)

ASB 421: Education and Society (SB)

ASB 430: Social Simulation (CS)

ASB 443: Cross-Cultural Studies in
Global Health ((L or SB) & G)

ASB 452: Community Partnerships for
Global Health (SB)

ASB 455: Senior Seminar in Global
Health

ASB 462: Medical Anthropology: Culture
and Health (SB & C)

ASB 463: Political Ecology of the Border
(SB & G)

ASB 464: The Ethnography of Mexico
and the Borderlands (SB & G)

ASB 471: Introduction to Museums (L)

ASB 480: Principles of Linguistics (SB)

ASB 481: Language and Culture (SB)

ASB 483: Sociolinguistics and the
Ethnography of Communication (SB)

ASB 485: U.S.-Mexico Border in
Comparative Perspective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

Cumulative GPA: 2.00 minimum
Total hrs at ASU: 120 minimum
**Hrs Resident Credit for
Academic Recognition:** 56 minimum
Total Community College Hrs: 64
maximum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative
Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

- Historical Awareness (H)
- First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Anthropology, BS

College of Liberal Arts and Sciences

Tempe campus
LAASBBS

Term 1	0 - 13 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	ASB 102: Culture in a Globalizing World (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR AML 100: Introduction to Applied Mathematics for the Life and Social Sciences (MA) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)		3-4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course. Students who do not test into the MAT 251 course must take the math they do place into in the first term. Do not take MAT 142 as it is not a prerequisite to MAT 251. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • Field School Opportunities: (Archaeological, Physical or Ethnographic) can be used in place of on-campus courses. • Students must take ASB 102, ASM 104, and AML 100. They will choose between ASB 222 and ASB 223.
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
	LIA 101: Student Success in the College of Liberal Arts and Sciences		1		
	Mathematics (MA)		3	C	
	Humanities, Arts and Design (HU)		3		
	Maintain 2.00 GPA in Critical Tracking Courses.				
	Term hours subtotal:		13-14		

Term 2	14 - 30 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	ASB 102: Culture in a Globalizing World (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR AML 100: Introduction to Applied Mathematics for the Life and Social Sciences (MA) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)		4-3	C	
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
	MAT 251: Calculus for Life Sciences (MA)		3	C	
	Natural Science - Quantitative (SQ)		4		
	Elective		3		
	 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				

Maintain 2.00 GPA in Critical Tracking Courses.

Term hours subtotal: 17-16

Term 3	31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASB 102: Culture in a Globalizing World (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR AML 100: Introduction to Applied Mathematics for the Life and Social Sciences (MA) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)		3-4	C	
CLAS Science and Society Elective		3	C	
Cultural Diversity in the U.S. (C)		3		
Social-Behavioral Sciences (SB)		3		
Elective		3		
 Complete First-Year Composition requirement.				
 Complete Mathematics (MA) requirement.				
Maintain 2.00 GPA in Critical Tracking Courses.				
Term hours subtotal:		15-16		

Term 4	46 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASB 102: Culture in a Globalizing World (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR AML 100: Introduction to Applied Mathematics for the Life and Social Sciences (MA) OR ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H) or ASB 223: Aztecs, Incas and Mayas ((HU or SB) & G & H)		3-4	C	
ASB OR ASM Elective		3	C	
Literacy and Critical Inquiry (L)		3		
Complete 2 courses: Elective		6		
Maintain 2.00 GPA in Critical Tracking Courses.				
Term hours subtotal:		15-16		

Term 5	61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ASM 300: Anthropological Sciences Seminar		3	C	
ASB OR ASM Upper Division Elective		3	C	
Upper Division CLAS Science and Society Elective		3	C	
Complete 2 courses: Elective		6		
Term hours subtotal:		15		

Term 6	76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ASM Upper Division Elective		3	C	
ASM 465: Quantification and Analysis for Anthropologists (CS) OR BIO 415: Biometry (CS) OR SOC 390: Social Statistics I (CS)		3	C	
ASB OR ASM Upper Division Elective		3	C	

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3
Upper Division Literacy and Critical Inquiry (L)	3
Term hours subtotal:	15

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ASM Upper Division Elective	3	C	
ASB OR ASM Upper Division Elective	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: ASM Upper Division Elective	6	C	
Complete 2 courses: Upper Division Elective	6		
Elective	3		
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Applied Mathematics for Life and Social Sciences, BS

College of Liberal Arts and Sciences

Tempe campus
LAAMLBS

Term 1 0 - 15 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 AML 100: Introduction to Applied Mathematics for the Life and Social Sciences (MA)		3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation
BIO 181: General Biology I (SQ)		4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences		1		
MAT 270: Calculus with Analytic Geometry I (MA)		4	C	
Minimum 2.00 GPA in STP and MAT.				
Term hours subtotal:		15		
Term 2 16 - 32 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming with Java (CS)		3	C	• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. • Use the SB course in this term as an entry to upper division work in the Social Science track.
ASB 102: Culture in a Globalizing World (SB & G) OR PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) OR POS 110: Government and Politics (SB) OR CDE 232: Human Development (SB) OR JUS 105: Introduction to Justice Studies (SB) OR Social-Behavioral Sciences (SB)		3		
BIO 182: General Biology II (SG)		4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
MAT 271: Calculus with Analytic Geometry II (MA)		4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Minimum 2.00 GPA in STP and MAT.				
Term hours subtotal:		17		
Term 3 33 - 48 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
MAT 272: Calculus with Analytic Geometry III (MA)		4	C	• Minimum grade of C required in all MAT and
CLAS Science and Society Elective		3	C	

Humanities, Arts and Design (HU) AND Global Awareness (G)	3
Literacy and Critical Inquiry (L)	3
Elective	3
❗ Complete First-Year Composition requirement.	
❗ Complete Mathematics (MA) requirement.	
Minimum 2.00 GPA in STP and MAT.	
Term hours subtotal:	16

STP classes; grade of B or better strongly correlated with timely graduation

Term 4 49 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ AML 253: Introduction to Mathematical Tools and Modeling for the Life and Social Sciences	3	C	- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. - Use the SB course in this term as an entry to upper division work in the Social Science track.
MAT 274: Elementary Differential Equations (MA) OR MAT 275: Modern Differential Equations (MA)	3	C	
ASB 102: Culture in a Globalizing World (SB & G) OR PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB) OR POS 110: Government and Politics (SB) OR CDE 232: Human Development (SB) OR JUS 105: Introduction to Justice Studies (SB) OR Social-Behavioral Sciences (SB)	3		
Major Elective	3	C	
Elective	3		
Minimum 2.00 GPA in STP and MAT.			
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Life Science course	3	C	Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation
★ Upper Division Social Science course	3	C	
★ Major Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Minimum 2.00 GPA in STP and MAT.			
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Life Science course	3	C	
★ Upper Division Applied Mathematics	3	C	
★ MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	3		
Minimum 2.00 GPA in STP and MAT.			
Term hours subtotal:	15		

Minimum

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ Upper Division Applied Mathematics	3	C	
★ Upper Division Social Science course	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Minimum 2.00 GPA in STP and MAT.			
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ AML 406: Directed Reading and Research in Applied Mathematics for the Life and Social Sciences	3	C	
Complete 3 courses: Upper Division Elective	9		
Minimum 2.00 GPA in STP and MAT.			
Term hours subtotal:	12		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Social Sciences
ASB 430: Social Simulation (CS)
ASM 465: Quantification and Analysis for Anthropologists (CS)
GCU 496: Geographic Research Methods (L)
GIS 205: Geographic Information Technologies (CS)
GIS 341: Introduction to Cartography and Georepresentation (CS)
GIS 470: Statistics for Geographers (CS)
GIS 471: Geographic Information Analysis
JUS 301: Research in Justice Studies (SB)
JUS 302: Statistical Analysis for Justice Studies (CS)
POS 301: Empirical Political Inquiry (SB)
POS 401: Political Statistics (CS)
POS 485: Political Economy (SB)

SOC 331: Environmental Sociology (SB & G)

SOC 390: Social Statistics I (CS)

SOC 391: Research Methods (L or SB)

SOC 433: Applied Demography (SB)

SOC 448: Epidemics and Society (SB & G)

Life Sciences

BCH 361: Advanced Principles of Biochemistry

BIO 320: Fundamentals of Ecology

BIO 321: Introductory Ecology Laboratory (L)

BIO 406: Computer Applications in Biology (CS)

BIO 410: Techniques in Conservation Biology and Ecology (L)

BIO 411: Quantitative Methods in Conservation and Ecology

BIO 415: Biometry (CS)

BIO 417: Experimental Design

BIO 423: Population and Community Ecology

BIO 424: Dynamic Modeling in Social and Ecological Systems

BIO 455: Introduction to Comparative Genomics

BIO 456: Bioinformatics and Molecular Evolution

BIO 469: Computational Neuroscience: Case Studies in Neuroethology

Applied Mathematics

MAT 300: Mathematical Structures (L)

MAT 343: Applied Linear Algebra

MAT 351: Mathematical Methods for Genetic Analysis (CS)

MAT 355: Introduction to Computational Molecular Biology

MAT 362: Advanced Mathematics for Engineers and Scientists

MAT 371: Advanced Calculus I

MAT 451: Mathematical Modeling (CS)

Major Electives

ASB 430: Social Simulation (CS)

ASM 345: Disease and Human Evolution

ASM 465: Quantification and Analysis for Anthropologists (CS)

BCH 361: Advanced Principles of Biochemistry

BIO 320: Fundamentals of Ecology

BIO 321: Introductory Ecology
Laboratory (L)

BIO 406: Computer Applications in
Biology (CS)

BIO 410: Techniques in Conservation
Biology and Ecology (L)

BIO 411: Quantitative Methods in
Conservation and Ecology

BIO 415: Biometry (CS)

BIO 417: Experimental Design

BIO 423: Population and Community
Ecology

BIO 424: Dynamic Modeling in Social
and Ecological Systems

BIO 455: Introduction to Comparative
Genomics

BIO 456: Bioinformatics and Molecular
Evolution

BIO 469: Computational Neuroscience:
Case Studies in Neuroethology

GCU 496: Geographic Research Methods
(L)

GIS 205: Geographic Information
Technologies (CS)

GIS 341: Introduction to Cartography and
Georepresentation (CS)

GIS 470: Statistics for Geographers (CS)

GIS 471: Geographic Information
Analysis

JUS 301: Research in Justice Studies (SB)

JUS 302: Statistical Analysis for Justice
Studies (CS)

MAT 300: Mathematical Structures (L)

MAT 351: Mathematical Methods for
Genetic Analysis (CS)

MAT 355: Introduction to Computational
Molecular Biology

MAT 362: Advanced Mathematics for
Engineers and Scientists

MAT 371: Advanced Calculus I

MAT 451: Mathematical Modeling (CS)

POS 301: Empirical Political Inquiry (SB)

POS 401: Political Statistics (CS)

POS 485: Political Economy (SB)

SOC 331: Environmental Sociology (SB
& G)

SOC 390: Social Statistics I (CS)

SOC 391: Research Methods (L or SB)

SOC 433: Applied Demography (SB)

SOC 448: Epidemics and Society (SB & G)

STP 226: Elements of Statistics (CS)

STP 231: Statistics for Life Science (CS)

STP 326: Intermediate Probability (CS)

STP 420: Introductory Applied Statistics (CS)

STP 421: Probability

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Asia Studies (East Asia), BA**

College of Liberal Arts and Sciences

Tempe campus
LAHSTEABA

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HST 111: Introduction to Asia (HU & H & G)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • The sequence of required and elective courses will vary with each student according to individual choices and the yearly schedule of classes. HST 496, the capstone course must be taken in the final year and is usually offered in the spring term only. • Many general studies requirements can be met with courses taken to satisfy major requirements. Students should choose courses in consultation with the academic advisor in their major to ensure that all general studies requirements are met before graduation.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Second Language: Requirement satisfied through the following: *Completion of Chinese, Japanese or Korean language course at the intermediate level (202 or equivalent).	5	C	
Term hours subtotal:	15		
Term 2 16 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• Many general studies requirements can be met with courses taken to satisfy major requirements. Students should choose courses in consultation with the academic advisor in their major to ensure that all general studies requirements are met before graduation.
Second Language: Requirement satisfied through the following: * Second Language: Requirement satisfied through the following: *Completion of Chinese, Japanese or Korean language course at the intermediate level (202 or equivalent).	5	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		

❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Term hours subtotal: 15

Term 3 31 - 45 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
East Asia Concentration Course	3	C	• Many general studies requirements can be met with courses taken to satisfy major requirements. Students should choose courses in consultation with the academic advisor in their major to ensure that all general studies requirements are met before graduation.
Outside East Asia Course	3	C	
Second Language: Requirement satisfied through the following: * Second Language: Requirement satisfied through the following: *Completion of Chinese, Japanese or Korean language course at the intermediate level (202 or equivalent).	5	C	
Literacy and Critical Inquiry (L)	3		
Elective	1		
❗ Complete First-Year Composition requirement.			
❗ Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 46 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ East Asia Elective	3	C	
Across Asia course	3	C	
Second Language: Requirement satisfied through the following: * Second Language: Requirement satisfied through the following: *Completion of Chinese, Japanese or Korean language course at the intermediate level (202 or equivalent).	5	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division East Asia Concentration Course	3	C	
★ Upper Division East Asia Elective	3	C	
Upper Division Outside East Asia Course	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division East Asia Concentration Course	3	C	
★ Upper Division East Asia Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division East Asia Concentration Course	3	C	
Upper Division Outside East Asia Course	3	C	
Across Asia course	3	C	
Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 496: South, Southeast, and East Asia in the Global Matrix	3	C	
★ Upper Division East Asia Concentration Course	3	C	
Cultural Diversity in the U.S. (C)	3		
<i>Complete 2 courses:</i> Upper Division Elective	6		
Term hours subtotal:	15		

- Students choosing the Asia Studies - East Asia major must choose an East Asia track of either Chinese or Japanese. Please refer to the appropriate track list below.

East Asia Concentration - Japan
ARS 473: Art of Japan (HU)
HST 108: Introduction to Japan (SB & G & H)
HST 303: ASIA: Japan in Film (SB & H), History of Religions in Japan (SB & H), Technology, Culture & Society in Modern Japan (SB & H)
HST 387: Japan ((L or SB) & H)
HST 388: Japan (SB & G & H)
JPN 115: Japanese Popular Culture: Anime, Manga, and Film (G)
JPN 401: Reading Modern Japanese Texts I ((L or HU) & G)
JPN 414: Introduction to Classical Japanese
JPN 445: Readings in Modern Japanese Letters and Culture
JPN 485: Literary Translation: Theory and Practice
REL 344: Religion and Values in Japanese Life (HU & G)
REL 355: Japanese Cities and Cultures to 1800 (HU & H)
SLC 421: Japanese Literature in Translation ((L or HU) & G)

East Asia Concentration - China

ARS 472: Art of China (HU)

ARS 475: Chinese Painting (HU)

CHI 120: Introduction to Chinese Culture (HU & L)

CHI 308: Classical Chinese II (HU)

CHI 321: Chinese Literature (HU)

CHI 322: Chinese Literature (HU & G)

CHI 345: Chinese Film and Civilization

CHI 430: Readings in Chinese Religions

CHI 450: Classical Prose

CHI 461: Classical Vernacular
Performance Literature

CHI 462: Readings in Traditional
Xiaoshuo

CHI 470: Modern Chinese Literature and
Culture

GCU 432: Geography of China (SB & G)

HST 383: China (SB & H) or CHI 333:
China (SB & H) or SLC 333: China (SB
& H)

HST 384: China (SB & G & H)

HST 385: History of Chinese Medicine
(HU & H & G) or CHI 335: History of
Chinese Medicine (HU & H & G) or HPS
325: History of Chinese Medicine (HU &
H & G) or SLC 335: History of Chinese
Medicine (HU & H & G)

HST 386: Interpreting China's Classics ((L
or HU) & H) or CHI 336: Interpreting
China's Classics ((L or HU) & H) or SLC
336: Interpreting China's Classics ((L or
HU) & H)

HST 451: Chinese Cultural History I ((HU
or SB) & H) or CHI 451: Chinese Cultural
History I ((HU or SB) & H)

HST 452: Chinese Cultural History II (SB
& G & H) or CHI 452: Chinese Cultural
History II (SB & G & H)

HST 453: The People's Republic of China
(SB & G & H)

POS 452: China (SB & G)

REL 343: Daoism ((L or HU) & G & H)
or CHI 343: Daoism ((L or HU) & G &
H)

REL 346: Chinese Religions

Outside East Asia

ASB 325: Peoples of Southeast Asia (G)

DCE 114: Dances of India I

ECN 335: South Asia and the World
Economy (SB & G)

ECN 436: International Trade Theory (SB
& G)

GCU 433: Geography of Southeast Asia

HST 240: Introduction to Southeast Asia ((HU or SB) & G) or ASB 240: Introduction to Southeast Asia ((HU or SB) & G) or POS 240: Introduction to Southeast Asia ((HU or SB) & G) or REL 240: Introduction to Southeast Asia ((HU or SB) & G) or SGS 240: Introduction to Southeast Asia ((HU or SB) & G)

HST 391: Modern Southeast Asia (SB & G & H) or SGS 381: Modern Southeast Asia (SB & G & H)

HST 392: Modern South Asia

HST 456: The Vietnam War (SB & G & H)

MHL 140: Music as Culture (HU & G)

POS 357: South Asia Politics (SB & G)

POS 358: Southeast Asia (SB & G)

REL 245: Introduction to South Asia or HST 245: Introduction to South Asia or SGS 245: Introduction to South Asia

REL 347: Religions of India

REL 350: Hinduism ((L or HU) & G)

REL 357: Theravada Buddhism in South and Southeast Asia (L & G)

REL 365: Islamic Civilization (HU & H)

REL 366: Islam in the Modern World (HU & H & G)

Across Asia Courses

ARS 201: Art of Asia (HU & H & G)

GCU 326: Geography of Asia (SB & G)

HST 106: Asian Civilizations ((HU or SB) & G & H)

HST 107: Asian Civilizations (SB & G & H)

HST 303: ASIA: Women in Asia (SB & H), WWII in Asia: Cultures of War (SB & H)

POS 468: Comparative Asian foreign Policies (SB & G)

REL 345: Asian Religious Traditions (HU & G)

REL 351: Buddhism ((L or HU) & G)

REL 405: Buddhism, Gender, and Modernity , Religion and Modern Global Politics , Religion in a Global Context , Religions of the Silk Road

POS 468: Comparative Asian foreign Policies (SB & G)

East Asia Electives

HST 303: China, Japan & East Asia in World History (SB & H)

KOR 250: Korean Culture and Society (HU & G)

KOR 321: Korean Literature in Translation

KOR 347: Korean Film and Literature (HU)

KOR 350: Women of Korea (H)

POS 451: China, Japan, and the Koreans (SB & G)

REL 353: Folk Religions of Korea or KOR 353: Folk Religions of Korea

REL 354: Religious Traditions of Korea (HU) or KOR 354: Religious Traditions of Korea (HU)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Asia Studies (South Asia), BA**

College of Liberal Arts and Sciences
Tempe campus
LAHSTSABA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HST 111: Introduction to Asia (HU & H & G)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • The sequence of required and elective courses will vary with each student according to individual choices and the yearly schedule of classes. HST 496, the capstone course must be taken in the final year.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Hindi language course(s) at the intermediate level (202 or equivalent).	4	C	
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
HST 245: Introduction to South Asia OR REL 245: Introduction to South Asia OR SGS 245: Introduction to South Asia OR South Asia Concentration course	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of Hindi language course(s) at the intermediate level (202 or equivalent).	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Across Asia course	3	C	
South Asia Elective course	3	C	

Second Language: Requirement satisfied through the following: * Completion of Hindi language course(s) at the intermediate level (202 or equivalent).	4	C
Literacy and Critical Inquiry (L)	3	
Social-Behavioral Sciences (SB)	3	
❗ Complete Mathematics (MA) requirement.		
❗ Complete First-Year Composition requirement.		
Term hours subtotal:	16	

Term 4 47 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ Across Asia course	3	C	
Outside South Asia course	3	C	
Second Language: Requirement satisfied through the following: * Completion of Hindi language course(s) at the intermediate level (202 or equivalent).	4	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division South Asia Concentration course	3	C	
Upper Division South Asia Elective course	3	C	
Outside South Asia course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division South Asia Concentration course	3	C	
Upper Division South Asia Elective course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Outside South Asia course	3	C	
Upper Division South Asia Concentration course	3	C	
Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 496: South, Southeast, and East Asia in the Global Matrix	3	C	HST 496 is the required capstone course for the major and is only offered in spring terms.
Upper Division South Asia Concentration course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
<i>Complete 2 courses:</i> Upper Division Elective	6		
Term hours subtotal:		15	

South Asia Concentration

ECN 335: South Asia and the World Economy (SB & G)

ENG 465: South Asian Cinema

HST 245: Introduction to South Asia or
REL 245: Introduction to South Asia

HST 392: Modern South Asia

POS 357: South Asia Politics (SB & G)

REL 347: Religions of India

REL 350: Hinduism ((L or HU) & G)

Across Asia Courses

ARS 201: Art of Asia (HU & H & G)

GCU 326: Geography of Asia (SB & G)

HST 106: Asian Civilizations ((HU or SB) & G & H)

HST 107: Asian Civilizations (SB & G & H)

HST 201: Historical Themes in Asia (SB & H)

HST 303: Studies in Asian History (SB & H)

POS 468: Comparative Asian foreign Policies (SB & G)

REL 345: Asian Religious Traditions (HU & G)

REL 351: Buddhism ((L or HU) & G)

REL 405: Buddhism, Gender, and Modernity , Religions of the Silk Road

South Asia Electives

DCE 114: Dances of India I

ECN 436: International Trade Theory (SB & G)

HST 465: Women in Europe, 1750 to Present ((L or HU or SB) & H)

MHL 140: Music as Culture (HU & G)

POS 360: Asian International Politics (SB & G)

POS 468: Comparative Asian foreign
Policies (SB & G)

REL 365: Islamic Civilization (HU & H)

REL 366: Islam in the Modern World (HU
& H & G)

Outside South Asia

ASB 325: Peoples of Southeast Asia (G)

CHI 205: Chinese Calligraphy

CHI 307: Introduction to Literary Chinese
I (HU)

CHI 308: Introduction to Literary Chinese
II (HU)

CHI 321: Chinese Literature (HU)

CHI 322: Chinese Literature (HU & G)

CHI 345: Chinese Film and Civilization

GCU 432: Geography of China (SB & G)

GCU 433: Geography of Southeast Asia

HST 108: Introduction to Japan (SB & G
& H)

HST 240: Introduction to Southeast Asia
((HU or SB) & G)

HST 383: China (SB & H)

HST 384: China (SB & G & H)

HST 385: History of Chinese Medicine
(HU & H & G)

HST 386: Interpreting China's Classics ((L
or HU)& H)

HST 387: Japan ((L or SB) & H)

HST 388: Japan (SB & G & H)

HST 389: Japan Society and
Values/Premod

HST 391: Modern Southeast Asia (SB &
G & H)

HST 451: Chinese Cultural History I ((HU
or SB) & H)

HST 452: Chinese Cultural History II (SB
& G & H)

HST 453: The People's Republic of China
(SB & G & H)

HST 456: The Vietnam War (SB & G &
H)

JPN 206: Japanese Calligraphy

JPN 401: Reading Modern Japanese Texts
I ((L or HU) & G)

JPN 414: Introduction to Classical
Japanese

JPN 445: Readings in Modern Japanese
Letters and Culture

JPN 485: Literary Translation: Theory and
Practice

KOR 250: Korean Culture and Society
(HU & G)

KOR 347: Korean Film and Literature
(HU)

KOR 350: Women of Korea (H)

MUP 489: Gamelan

REL 343: Daoism ((L or HU) & G & H)

REL 344: Religion and Values in
Japanese Life (HU & G)

REL 346: Chinese Religions

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Asia Studies (Southeast Asia), BA

College of Liberal Arts and Sciences
Tempe campus
LAHSTSEABA

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	HST 111: Introduction to Asia (HU & H & G) or REL 111: Introduction to Asia (HU & H & G)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • The sequence of required and elective courses will vary with each student according to individual choices and the yearly schedule of classes. HST 496, the capstone course must be taken in the final year.
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
	LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
	MAT 142: College Mathematics (MA)	3	C	
	Second Language: Requirement satisfied through the following: * Completion of Southeast Asian language course(s) (Thai, Vietnamese or Indonesian) at the intermediate level (202 or equivalent). .	4	C	
	Elective	2		
Term hours subtotal:		16		
Term 2 17 - 30 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
	Second Language: Requirement satisfied through the following: * Completion of Southeast Asian language course(s) (Thai, Vietnamese or Indonesian) at the intermediate level (202 or equivalent). .	4	C	
	Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
	Elective	3		
	Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:		14		
Term 3 31 - 46 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	ASB 240: Introduction to Southeast Asia ((HU or SB) & G) or GCU 240: Introduction to Southeast Asia ((HU or SB) & G) or HST 240: Introduction to Southeast Asia ((HU or SB) & G) or POS 240: Introduction to Southeast Asia ((HU or SB) & G) or REL 240: Introduction to Southeast Asia ((HU or SB) & G) or SGS 240: Introduction to Southeast Asia ((HU or SB) & G)	3	C	

Across Asia Course	3	C
Second Language: Requirement satisfied through the following: * Completion of Southeast Asian language course(s) (Thai, Vietnamese or Indonesian) at the intermediate level (202 or equivalent). .	4	C
Literacy and Critical Inquiry (L)	3	
Social-Behavioral Sciences (SB)	3	
🚩 Complete First-Year Composition requirement.		
🚩 Complete Mathematics (MA) requirement.		
Term hours subtotal:	16	

Term 4 47 - 60 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 Outside Southeast Asia course	3	C	
Across Asia Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of Southeast Asian language course(s) (Thai, Vietnamese or Indonesian) at the intermediate level (202 or equivalent). .	4	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Southeast Asia concentration	3	C	
Outside Southeast Asia course	3	C	
Southeast Asia Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Southeast Asia concentration	3	C	
Upper Division Southeast Asia Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Southeast Asia concentration	3	C	
Upper Division Outside Southeast Asia Course	3	C	
Upper Division Southeast Asia Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		

Term hours subtotal: 15

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 496: South, Southeast, and East Asia in the Global Matrix	3	C	• HST 496 is the required capstone course for the major and is only offered in spring terms.
★ Upper Division Southeast Asia concentration	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:		15	

Southeast Asia Concentration

ASB 325: Peoples of Southeast Asia (G)

HST 391: Modern Southeast Asia (SB & G & H)

POS 358: Southeast Asia (SB & G)

GCU 433: Geography of Southeast Asia

Outside Southeast Asia

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

CHI 205: Chinese Calligraphy

CHI 307: Introduction to Literary Chinese I (HU)

CHI 308: Introduction to Literary Chinese II (HU)

CHI 321: Chinese Literature (HU)

CHI 322: Chinese Literature (HU & G)

CHI 345: Chinese Film and Civilization

DCE 114: Dances of India I

ECN 335: South Asia and the World Economy (SB & G)

ECN 436: International Trade Theory (SB & G)

GCU 432: Geography of China (SB & G)

HPS 325: History of Chinese Medicine (HU & H & G)

HST 108: Introduction to Japan (SB & G & H)

HST 303: Studies in Asian History, ASIA: Confucian Texts (SB & H), ASIA: Japan in Film (SB & H), ASIA: Modern South Asia (SB & H), ASIA: Women in Asia (SB & H), China, Japan & East Asia in World History (SB & H), Technology, Culture & Society in Modern Japan (SB & H)

HST 383: China (SB & H)

HST 384: China (SB & G & H)

HST 385: History of Chinese Medicine
(HU & H & G)

HST 386: Interpreting China's Classics ((L
or HU)& H)

HST 387: Japan ((L or SB) & H)

HST 388: Japan (SB & G & H)

HST 389: Japan Society and
Values/Premod

HST 392: Modern South Asia

HST 451: Chinese Cultural History I ((HU
or SB) & H)

HST 452: Chinese Cultural History II (SB
& G & H)

HST 453: The People's Republic of China
(SB & G & H)

JPN 206: Japanese Calligraphy

JPN 401: Reading Modern Japanese Texts
I ((L or HU) & G)

JPN 414: Introduction to Classical
Japanese

JPN 445: Readings in Modern Japanese
Letters and Culture

JPN 485: Literary Translation: Theory and
Practice

KOR 250: Korean Culture and Society
(HU & G)

KOR 347: Korean Film and Literature
(HU)

KOR 350: Women of Korea (H)

POS 357: South Asia Politics (SB & G)

POS 451: China, Japan, and the Koreans
(SB & G)

POS 452: China (SB & G)

POS 468: Comparative Asian foreign
Policies (SB & G)

REL 245: Introduction to South Asia or
HST 245: Introduction to South Asia

REL 343: Daoism ((L or HU) & G & H)

REL 344: Religion and Values in
Japanese Life (HU & G)

REL 347: Religions of India

REL 350: Hinduism ((L or HU) & G)

REL 353: Folk Religions of Korea

REL 354: Religious Traditions of Korea
(HU)

REL 355: Japanese Cities and Cultures to
1800 (HU & H)

REL 365: Islamic Civilization (HU & H)

SGS 311: Urbanization in China

Southeast Asia Elective Courses

GCU 433: Geography of Southeast Asia

HST 456: The Vietnam War (SB & G & H)

MUP 489: Gamelan

POS 368: Ethics and Human Rights

REL 357: Theravada Buddhism in South and Southeast Asia (L & G)

Across Asian Courses (6 Hours)

ARS 201: Art of Asia (HU & H & G)

GCU 326: Geography of Asia (SB & G)

HST 106: Asian Civilizations ((HU or SB) & G & H)

HST 201: Special Topics, Historical Themes in Asia, Healing and Culture (SB & H), Modern Korea (SB & H)

HST 303: ASIA: Women in Asia (SB & H)

POS 468: Comparative Asian foreign Policies (SB & G)

REL 345: Asian Religious Traditions (HU & G)

REL 350: Hinduism ((L or HU) & G)

REL 351: Buddhism ((L or HU) & G)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Asian Languages (Chinese), BA
 College of Liberal Arts and Sciences
 LACHIBA

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHI 101: First-Year Chinese I (G)	5	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned. • Learn about the Chinese Language Flagship Program.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
SLC 191: First-Year Seminar	1		
Cultural Diversity in the U.S. (C)	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 2 16 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHI 102: First-Year Chinese II (G)	5	C	• Students interested in the Chinese Flagship Program should meet with a Flagship representative. • Start planning your study abroad experience. Learn about faculty-directed summer programs offered through the School of International Letters and Cultures. • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

❗ CHI 120: Introduction to Chinese Culture (L or HU)	3	C
❗ CHI 201: Second-Year Chinese I (G)	5	C
Natural Science - Quantitative (SQ)	4	
Elective	3	
❗ Complete Mathematics (MA) requirement.		
❗ Complete First-Year Composition requirement.		
Maintain 2.33 GPA in Critical Tracking Courses.		
Term hours subtotal:	15	

- Students interested in the Chinese Flagship Program should meet with a **Flagship representative**.
- Meet with a School of International Letters and Cultures **academic advisor** to discuss the **best study abroad options** for your major.

Term 4 45 - 59 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ CHI 202: Second-Year Chinese II (G)	5	C	
SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

- Students interested in the Chinese Flagship Program should meet with **Flagship representative**.
- Meet with a School of International Letters and Cultures **academic advisor** to discuss the **best study abroad options** for your major.

Term 5 60 - 73 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHI 301: Third-Year Chinese I (G)	5	C	
★ CHI 321: Chinese Literature (HU) OR CHI 322: Chinese Literature (HU & G)	3	C	
Complete 2 courses: China Related Humanities or Social Science Course	6	C	
Term hours subtotal:	14		

- Minimum grade of "C" in all CHI, SLC and East-Asian Related Fields courses.
- Enroll in listed courses or in a School of International Letters and Cultures **endorsed program abroad**.

Term 6 74 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHI 302: Third-Year Chinese II (G)	5	C	
CHI 321: Chinese Literature (HU) OR CHI 322: Chinese Literature (HU & G)	3	C	
Historical Awareness (H)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	17		

- Minimum grade of "C" in all CHI, SLC and East-Asian Related Fields courses.
- Enroll in listed courses or in a School of International Letters and Cultures **endorsed program abroad**.

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHI 307: Introduction to Literary Chinese I (HU)	3	C	
CHI 380: The Chinese Language	3	C	
Complete 2 courses: Upper Division Chinese Language, Literature, and Linguistics Elective Courses	6	C	

- Minimum grade of "C" in all CHI, SLC and East-Asian Related Fields courses.

Upper Division Literacy and Critical Inquiry (L)	3
Term hours subtotal:	15

- Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHI 308: Classical Chinese II (HU)	3	C	• Minimum grade of "C" in all CHI, SLC and East-Asian Related Fields courses. • Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
★ SLC 491: Crossing Languages and Cultures	3	C	
Upper Division Chinese Language, Literature, and Linguistics Elective Courses	3	C	
China Related Humanities or Social Science Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

- Select 9 hours from the Upper Division Chinese Language, Linguistics, or Literature Courses listed. Students who desire a linguistics emphasis select CHI 482 plus 3 units of language courses. Students who emphasize literature select 9 units of literature courses. All students must take at least 6 of Chinese elective units at the 400 level or above.

China Related Humanities or Social Science Courses
ARS 201: Art of Asia (HU & H & G)
ARS 472: Art of China (HU)
ARS 475: Chinese Painting (HU)
HST 383: China (SB & H)
HST 384: China (SB & G & H)
HST 385: History of Chinese Medicine (HU & H & G)
HST 386: Interpreting China's Classics ((L or HU)& H)
HST 452: Chinese Cultural History II (SB & G & H)
REL 343: Daoism ((L or HU) & G & H)
REL 345: Asian Religious Traditions (HU & G)
REL 346: Chinese Religions
REL 351: Buddhism ((L or HU) & G)
Chinese Literature Courses
CHI 430: Readings in Chinese Religions
CHI 450: Classical Prose
CHI 461: Classical Vernacular Performance Literature
CHI 462: Readings in Traditional Xiaoshuo
CHI 470: Modern Chinese Literature and Culture

Chinese Language Courses

CHI 401: Fourth-Year Chinese I (G)

CHI 402: Fourth-Year Chinese II (G)

CHI 407: Chinese for Academic and Professional Purposes I (G)

CHI 408: Chinese for Academic and Professional Purposes II (G)

Chinese Linguistics Courses

CHI 482: History of the Chinese Language

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Asian Languages (Chinese) - Chinese Flagship, BA**

College of Liberal Arts and Sciences
LACHIBA

Term 1 0 - 15 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	CHI 101: First-Year Chinese I (G)	5	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Mathematics Placement Test score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • Students interested in the Chinese Flagship sub-plan should meet with an academic advisor regarding requirements. • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
	SLC 191: First-Year Seminar	1		
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
	MAT 142: College Mathematics (MA)	3	C	
	Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
	Term hours subtotal:	15		
Term 2 16 - 29 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	CHI 102: First-Year Chinese II (G)	5	C	
	CHI 120: Introduction to Chinese Culture (HU & L)	3	C	
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
	Computer/Statistics/Quantitative Applications (CS)	3		
	Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
	Term hours subtotal:	14		
Summer 2 Session 1 30 - 34 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	CHI 201: Second-Year Chinese I (G)	5	C	• Flagship students are expected to participate in a
	Term hours subtotal:	5		

Flagship approved
language program away
from ASU in Summer 2.

Summer 2 Session 2 35 - 39 Credit Hours Critical course signified by 🚩		Hours	Minimum Grade	Notes
🚩 CHI 202: Second-Year Chinese II (G)		5	C	Flagship students are expected to participate in a Flagship approved language program away from ASU in Summer 2.
Term hours subtotal:		5		
Term 3 40 - 54 Credit Hours Critical course signified by 🚩		Hours	Minimum Grade	Notes
🚩 CHI 301: Third-Year Chinese I (G)		5	C	
🚩 SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory		3	C	
Historical Awareness (H)		3		
Natural Science - Quantitative (SQ)		4		
🚩 Complete First-Year Composition requirement.				
🚩 Complete Mathematics (MA) requirement.				
Term hours subtotal:		15		
Term 4 55 - 66 Credit Hours Critical course signified by 🚩		Hours	Minimum Grade	Notes
🚩 CHI 302: Third-Year Chinese II (G)		5	C	
🚩 SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory		3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)		4		
Term hours subtotal:		12		
Summer 4 67 - 69 Credit Hours		Hours	Minimum Grade	Notes
Elective		3		Flagship students are expected to participate in a Flagship approved language program away from ASU in Summer 4.
Term hours subtotal:		3		
Term 5 70 - 84 Credit Hours Necessary course signified by ⭐		Hours	Minimum Grade	Notes
⭐ CHI 307: Introduction to Literary Chinese I (HU)		3	C	- Enroll in Study Abroad Program credits or listed courses. - China Related Content Courses must be taught in Chinese.
⭐ CHI 401: Fourth-Year Chinese I (G)		3	C	
Upper Division Chinese Literature and Linguistics Course		3	C	
China Related Content Courses		3	C	
Elective		3		

Term hours subtotal: 15

Term 6 85 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHI 308: Classical Chinese II (HU)	3	C	Enroll in Study Abroad Program credits or listed courses.
★ CHI 402: Fourth-Year Chinese II (G)	3	C	
CHI 380: The Chinese Language	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12		

Term 7 97 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHI 407: Chinese for Academic and Professional Purposes I (G)	3	C	- All Flagship students must spend their entire last year (terms 7 and 8) in China in the Flagship approved program there. - China related content courses must be taught in Chinese.
4** Chinese Literature and Linguistics Course	3	C	
Upper Division China Related Content Courses	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	12		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHI 408: Chinese for Academic and Professional Purposes II (G)	3	C	All Flagship students must spend their entire last year (terms 7 and 8) in China in the Flagship approved program there.
★ SLC 498: Pro-Seminar	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	12		

- Flagship students are required to complete two Related Area "Content Courses" taught in Chinese. See department advisor or Flagship program director for additional course offerings.

Chinese Literature and Linguistics Courses

CHI 321: Chinese Literature (HU)

CHI 322: Chinese Literature (HU & G)

CHI 430: Readings in Chinese Religions

CHI 470: Modern Chinese Literature and Culture

CHI 482: History of the Chinese Language

CHI 494: Advanced Classical Chinese ,
Advanced Literary Chinese

China Related Content Courses

ARS 201: Art of Asia (HU & H & G)

ARS 472: Art of China (HU)

ARS 475: Chinese Painting (HU)

HST 383: China (SB & H)

HST 384: China (SB & G & H)

HST 385: History of Chinese Medicine (HU & H & G) or CHI 335: History of Chinese Medicine (HU & H & G)

HST 386: Interpreting China's Classics ((L or HU) & H) or CHI 336: Interpreting China's Classics ((L or HU) & H)

HST 452: Chinese Cultural History II (SB & G & H) or CHI 452: Chinese Cultural History II (SB & G & H)

REL 343: Daoism ((L or HU) & G & H) or CHI 343: Daoism ((L or HU) & G & H)

REL 345: Asian Religious Traditions (HU & G)

REL 346: Chinese Religions

REL 351: Buddhism ((L or HU) & G)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Asian Languages (Japanese), BA

College of Liberal Arts and Sciences

Tempe campus

LAJPNBA

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 JPN 101: First-Year Japanese I (G)	5	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
SLC 191: First-Year Seminar	1		
Historical Awareness (H)	3		
 Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 2 16 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 JPN 102: First-Year Japanese II (G)	5	C	• Start planning your study abroad experience. Learn about faculty-directed summer programs offered through the School of International Letters and Cultures. • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 JPN 201: Second-Year Japanese I (G)	5	C	• Meet with a School of International Letters and Cultures academic advisor
SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C+	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		

Natural Science - Quantitative (SQ)	4
❗ Complete Mathematics (MA) requirement.	
❗ Complete First-Year Composition requirement.	
❗ Maintain 2.33 GPA in Critical Tracking Courses.	
Term hours subtotal:	15

to discuss the **best study abroad options** for your major.

Term 4 45 - 59 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ JPN 202: Second-Year Japanese II (G)	5	C	Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C+	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
❗ Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 5 60 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JPN 301: Third-Year Japanese I (G)	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
SLC 421: Japanese Literature in Translation ((L or HU) & G)	3	C	
CHI Elective OR KOR Elective OR SLC 420: Chinese Fiction (HU & G), Classic Novels of China (HU & G), Great Novels of China (HU & G), Trad Chinese Fict in Tran (HU & G)	3	C	
Related Area Course	3	C	
Elective	4		
Term hours subtotal:	16		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JPN 302: Third-Year Japanese II (G)	3	C+	- Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad. - The higher gpa in JPN 302 is required to move on to JPN 401.
Upper Division JPN Restricted Elective	3	C	
CHI Elective OR KOR Elective OR SLC 420: Chinese Fiction (HU & G), Classic Novels of China (HU & G), Great Novels of China (HU & G), Trad Chinese Fict in Tran (HU & G)	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JPN 401: Reading Modern Japanese Texts I ((L or HU) & G)	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
★ JPN 414: Introduction to Classical Japanese	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		

Complete 2 courses:
Upper Division Elective

6

Term hours subtotal: 15

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JPN 4** Elective			3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
★ SLC 491: Crossing Languages and Cultures			3	C	
Upper Division JPN Restricted Elective			3	C	
Complete 2 courses: Upper Division Elective			6		
Term hours subtotal:			15		

Japanese Related Area Electives

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

CHI 120: Introduction to Chinese Culture (L or HU)

CHI 333: China (SB & H)

CHI 335: History of Chinese Medicine (HU & H & G)

CHI 336: Interpreting China's Classics ((L or HU) & H)

CHI 343: Daoism ((L or HU) & G & H)

CHI 345: Chinese Film and Civilization

GCU 326: Geography of Asia (SB & G)

GCU 432: Geography of China (SB & G)

HST 106: Asian Civilizations ((HU or SB) & G & H)

HST 107: Asian Civilizations (SB & G & H)

HST 108: Introduction to Japan (SB & G & H)

HST 384: China (SB & G & H)

HST 387: Japan ((L or SB) & H)

HST 388: Japan (SB & G & H)

HST 389: Japan Society and Values/Premod

HST 451: Chinese Cultural History I ((HU or SB) & H)

HST 452: Chinese Cultural History II (SB & G & H)

HST 453: The People's Republic of China (SB & G & H)

KOR 321: Korean Literature in Translation

KOR 347: Korean Film and Literature (HU)

KOR 350: Women of Korea (H)

KOR 353: Folk Religions of Korea

KOR 354: Religious Traditions of Korea (HU)

POS 451: China, Japan, and the Koreas (SB & G)

POS 452: China (SB & G)

POS 468: Comparative Asian foreign Policies (SB & G)

REL 344: Religion and Values in Japanese Life (HU & G)

REL 351: Buddhism ((L or HU) & G)

REL 483: Religion and Science

JPN Restricted Electives

JPN 309: Japanese Oral Communication I

JPN 310: Japanese Oral Communication II

JPN 311: Japanese Composition I (G)

JPN 312: Japanese Composition II (G)

JPN 415: Advanced Classical Japanese

JPN 445: Readings in Modern Japanese Letters and Culture

JPN 485: Literary Translation: Theory and Practice

JPN 492: Honors Directed Study

JPN 493: Honors Thesis (L)

JPN 499: Individualized Instruction

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Asian Pacific American Studies, BA

College of Liberal Arts and Sciences

Tempe campus

LAAPABA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 APA 200: Introduction to Asian Pacific American Studies ((HU or SB) & C)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
APA 191: First-Year Seminar OR LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 APA Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Global Awareness (G)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 17

Term 4 48 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 APA 360: Asian Pacific American Experience ((HU or SB) & C)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 APA 450: Asian Pacific American Contemporary Issues (SB & C)	3	C	
 APA Upper Division Elective	3	C	
Related Area Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 APA 484: Internship	3	C	The internship requires departmental approval for enrollment.
 APA Upper Division Elective	3	C	
Related Area Course	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 APA Upper Division Elective	3	C	
Complete 2 courses: Upper Division Related Area Course	6	C	
Historical Awareness (H)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 APA 499: Individualized Instruction	3	C	APA 499: Individualized Instruction is a capstone research project determined in consultation with faculty advisor and required by end of term 8
 APA Upper Division Elective	3	C	
Upper Division Related Area Course	3	C	
Complete 2 courses: Elective	5		

Related Area Courses

APA Elective

AFR 317: Genes, Race and Society (SB & H & C)

AFR 333: American Ethnic Literature ((L or HU) & C)

AFR 370: Family, Ethnic and Cultural Diversity (SB & C)

ASB 202: Immigration and Ethnic Relations in the U.S. (SB & H & C)

COM 371: Language, Culture, and Communication (SB & C & G)

ENG 333: American Ethnic Literature ((L or HU) & C)

ENG 460: Ethnic Women Writers

FMS 470: Race, Sex, and Identity Online

HST 325: Immigration and Ethnicity in the United States (SB & H & C)

HST 415: Unequal Sisters: Women and Political and Cultural Change ((L or SB) & H & C)

JUS 320: Community and Social Justice (SB & C)

JUS 325: Globalization and Socio-Economic Justice (G)

JUS 350: Immigration and Justice (SB & C)

JUS 405: Economic Justice ((L or SB) & G)

JUS 425: Race, Gender, and Justice ((L or SB) & C)

JUS 432: Racial Justice (L)

POS 439: Minority Group Politics in America (SB & C)

SBS 301: Cultural Diversity ((L or SB) & C)

SBS 339: Grassroots Social Movements (SB)

SBS 410: Topics in Identity/Difference

TCL 327: Health and Migration (SB)

TCL 410: Race, Medicine, and the Body (L)

WST 378: Global Feminist Theory (L & C & G)

WST 380: Race, Gender, and Class (SB & C)

WST 420: Women of Color in Film (HU & C)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Biochemistry, BA**

College of Liberal Arts and Sciences

 Tempe campus
LABCHBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
 MAT 251: Calculus for Life Sciences (MA)	3	C	
CHM 191: Chemistry Topics OR LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	14		
Term 2 15 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)	4	C	
 CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 30 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 333: Organic Chemistry for Majors I OR CHM 233: General Organic Chemistry I	3	C	• Students who are interested in medical school, must take PHY 111 and PHY 113 instead of PHY 101 in this term.
 CHM 337: Organic Chemistry Laboratory for Majors I OR CHM 237: General Organic Chemistry Laboratory I	1	C	
 PHY 101: Introduction to Physics (SQ)	4	C	
BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)	4	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete First-Year Composition requirement.			

Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4 46 - 59 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 334: Organic Chemistry for Majors II OR CHM 234: General Organic Chemistry II	3	C	Students who are interested in medical school should take PHY 112 and PHY 114. This is likely to require the student to need more than the 120 hour minimum necessary for the degree.
CHM 338: Organic Chemistry Laboratory for Majors II OR CHM 238: General Organic Chemistry Laboratory II	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CHM 341: Elementary Physical Chemistry	3	C	
BCH 461: General Biochemistry	3	C	
CHM 302: Environmental Chemistry OR CHM 325: Analytical Chemistry	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Upper Division Elective	3		
Term hours subtotal:	16		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BCH 462: General Biochemistry	3	C	
BCH 467: Analytical Biochemistry Laboratory (L)	3	C	
Advanced BIO Elective	3-4	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Upper Division Elective	3		
Term hours subtotal:	15-16		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CHM OR BCH Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ CHM OR BCH Upper Division Elective	3	C
Humanities, Arts and Design (HU)	3	
Complete 3 courses: Upper Division Elective	9	
Term hours subtotal:	15	

- Elective vs. Upper Division Elective is dependant upon level of Organic Chemistry and Biology Electives
- Forty-five total units of upper division is required for degree completion

Advanced BIO Elective

BIO 201: Human Anatomy and Physiology I (SG)

BIO 340: General Genetics

BIO 353: Cell Biology

BIO 360: Animal Physiology

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Biochemistry, BS**

College of Liberal Arts and Sciences

 Tempe campus
LABCHBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 111: General Chemistry Laboratory for Majors I AND CHM 117: General Chemistry for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
CHM 191: Chemistry Topics OR LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		

Term 2 16 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)	4	C	
 CHM 112: General Chemistry Laboratory for Majors II AND CHM 118: General Chemistry for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 333: Organic Chemistry for Majors I OR CHM 233: General Organic Chemistry I	3	C	
 PHY 111: General Physics (SQ)	3	C	
BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)	4	C	
CHM 337: Organic Chemistry Laboratory for Majors I OR CHM 237: General Organic Chemistry Laboratory I	1	C	
PHY 113: General Physics Laboratory (SQ)	1	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 15

Term 4 46 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 112: General Physics (SQ)	3	C	
CHM 334: Organic Chemistry for Majors II OR CHM 234: General Organic Chemistry II	3	C	
CHM 338: Organic Chemistry Laboratory for Majors II OR CHM 238: General Organic Chemistry Laboratory II	1	C	
PHY 114: General Physics Laboratory (SQ)	1	C	
Humanities, Arts and Design (HU)	3		
Elective	4		
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CHM 341: Elementary Physical Chemistry	3	C	
BCH 461: General Biochemistry	3	C	
Advanced BIO Elective	3-4	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Upper Division Elective	3		
Term hours subtotal:	15-16		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BCH 462: General Biochemistry	3	C	
BCH 463: Biophysical Chemistry	3	C	
Advanced BIO Elective	3-4	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	15-16		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BCH 467: Analytical Biochemistry Laboratory (L)	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BCH OR CHM Upper Division Elective	3	C	
Literacy and Critical Inquiry (L)	3		

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3
Complete 2 courses: Upper Division Elective	6
Term hours subtotal:	15

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Advanced BIO elective

BIO 201: Human Anatomy and Physiology I (SG)

BIO 202: Human Anatomy and Physiology II (SG)

BIO 340: General Genetics

BIO 351: Developmental Biology

BIO 353: Cell Biology

BIO 360: Animal Physiology

MBB 343: Genetic Engineering and Society (L)

MBB 350: Applied Genetics

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Biochemistry (Medicinal Chemistry), BS

College of Liberal Arts and Sciences

Tempe campus
LABCHMBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
 CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I OR CHM 113: General Chemistry I (SQ)	4	C	
CHM 191: Chemistry Topics OR LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		

Term 2 16 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)	4	C	
 CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 333: Organic Chemistry for Majors I OR CHM 233: General Organic Chemistry I	3	C	
CHM 337: Organic Chemistry Laboratory for Majors I OR CHM 237: General Organic Chemistry Laboratory I	1	C	
 PHY 111: General Physics (SQ)	3	C	
PHY 113: General Physics Laboratory (SQ)	1	C	
BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 15

Term 4 46 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 112: General Physics (SQ)	3	C	
PHY 114: General Physics Laboratory (SQ)	1	C	
CHM 334: Organic Chemistry for Majors II OR CHM 234: General Organic Chemistry II	3	C	
CHM 338: Organic Chemistry Laboratory for Majors II OR CHM 238: General Organic Chemistry Laboratory II	1	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Elective	4		
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CHM 341: Elementary Physical Chemistry	3	C	
CHM 343: Elementary Physical Chemistry Laboratory	1	C	
BCH 461: General Biochemistry	3	C	
BIO 353: Cell Biology	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	2		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BCH 462: General Biochemistry	3	C	
BCH 463: Biophysical Chemistry	3	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CHM 433: Advanced Organic Chemistry I	3	C	
BCH 467: Analytical Biochemistry Laboratory (L)	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CHM 435: Medicinal Chemistry	3	C	

BCH OR CHM Upper Division Elective	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Complete 2 courses: Upper Division Elective	6	
Term hours subtotal:		15

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Biological Sciences, BS**

College of Liberal Arts and Sciences

Tempe campus

LABSCBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 189: Life Sciences Career Paths	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • Students who do not place into MAT 170 or higher must see an advisor to discuss a remedial schedule to get the student on track.
 BIO 281: Conceptual Approaches to Biology for Majors I	4	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 282: Conceptual Approaches to Biology for Majors II	4	C	
 MAT 251: Calculus for Life Sciences (MA)	3	C	
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
Term 3 33 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	• Students who are interested in medical school should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235.
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
CLAS Science and Society Elective	3	C	
 Complete First-Year Composition requirement.			

Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 47 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 345: Organic Evolution	3	C	Students who are interested in medical school should take CHM 234 and CHM 238 instead of the elective in this term.
Additional Major Requirement Course	3-4	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	15-16		

Term 5 62 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Major Laboratory/Research Course	1-4	C	- Optimal time for Study Abroad, schedule an advising appointment at https://solsadvising.asu.edu to discuss Study Abroad options - Students who are interested in medical school should take PHY 111 and PHY 113 instead of PHY 101. - A total of 2 Laboratory/Research Courses are required for graduation.
PHY 101: Introduction to Physics (SQ)	4	C	
Upper Division Additional Major Requirement Course	3	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Term hours subtotal:	14-17		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Additional Major Requirement Course	3-4	C	- Optimal time for Study Abroad, schedule an advising appointment at https://solsadvising.asu.edu to discuss Study Abroad options - For students interested in medical school please take PHY 112 and PHY 114 instead of one of the elective courses in this term. - A total of 2 Laboratory/Research Courses are required for graduation. - The variable hours in the Additional Major Course requirement is simply reflective of the difference in the hours among courses in the list.
Upper Division Major Laboratory/Research Course	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15-16		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ Upper Division Additional Major Requirement Course	3-4	C
★ Upper Division Major Elective Course	3	C
Upper Division CLAS Science and Society Elective	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Upper Division Elective	3	
Term hours subtotal:		15-16

- The variable hours in the Additional Major Course requirement is simply reflective of the difference in the hours among courses in the list.

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Additional Major Requirement Course	3-4	C	• The variable hours in the Additional Major Course requirement is simply reflective of the difference in the hours among courses in the list.
★ Upper Division Major Elective Course	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:		15-16	

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Major Laboratory/Research Courses

BIO 321: Introductory Ecology Laboratory (L)

BIO 342: General Genetics Laboratory

BIO 343: Genetic Engineering and Society (L)

BIO 352: Laboratory in Vertebrate Developmental Anatomy

BIO 361: Animal Physiology Laboratory

BIO 435: Research Techniques in Animal Behavior

BIO 495: Undergraduate Research

MIC 302: Advanced Bacteriology Laboratory (L)

MBB 343: Genetic Engineering and Society (L)

MBB 350: Applied Genetics or PLB 350: Applied Genetics

PLB 308: Plant Physiology

Major Elective Courses

BCH 361: Advanced Principles of Biochemistry

BIO 322: Conservation Biology and Ecological Sustainability I

.....
BIO 323: Ecosystem Restoration and
Management
.....

BIO 325: Oceanography
.....

BIO 346: The Darwinian Revolution
.....

BIO 355: Introduction to Computational
Molecular Biology (CS) or MBB 355:
Introduction to Computational Molecular
Biology (CS)
.....

BIO 386: General Entomology
.....

BIO 406: Computer Applications in
Biology (CS) or PLB 432: Computer
Applications in Biology (CS)
.....

BIO 415: Biometry (CS)
.....

BIO 416: Professional Values in Science
(L)
.....

BIO 423: Population and Community
Ecology
.....

BIO 427: Fire (H)
.....

BIO 428: Biogeography (L)
.....

BIO 431: Genes, Development, and
Evolution (L)
.....

BIO 436: Sociobiology and Behavioral
Ecology
.....

BIO 440: Functional Genomics or MBB
440: Functional Genomics
.....

BIO 446: Principles of Human Genetics
(L)
.....

BIO 453: Animal Histology
.....

BIO 455: Introduction to Comparative
Genomics
.....

BIO 467: Neurobiology
.....

BIO 461: Comparative Animal
Physiology
.....

BIO 462: Endocrine Physiology
.....

BIO 464: Photobiology or PLB 440:
Photobiology
.....

BIO 471: Ornithology
.....

BIO 472: Mammalogy
.....

BIO 474: Herpetology
.....

BIO 494: Advanced Animal Behavior,
Advanced Study Practicum, Advanced
Study Practicum: Anatomy & Physiology,
Advanced Study Practicum: Laboratory
Assistance, Advanced Study Practicum:
Lecture
.....

HPS 322: History of Science (HU & H)
.....

HPS 323: History of Science (HU & H)
.....

HPS 330: History of Biology: Conflicts
and Controversies (H)
.....

HPS 331: History of Medicine (H)
.....

MIC 360: Bacterial Physiology
.....

MIC 420: Immunology: Molecular and Cellular Foundations

MIC 426: Medical Immunology

MIC 427: Immunoneuropsychology: Research Foundation (L)

MIC 485: General Virology

PLB 302: Plants and Civilization

PLB 305: Cacti and Succulents

PLB 310: The Flora of Arizona

PLB 407: Plant Fossils and Evolution

Additional Major Requirements Courses

BIO 312: Bioethics (HU)

BIO 320: Fundamentals of Ecology

BIO 331: Animal Behavior

BIO 351: Developmental Biology

BIO 353: Cell Biology

BIO 360: Animal Physiology

BIO 370: Vertebrate Zoology

MIC 220: Biology of Microorganisms
AND MIC 206: Microbiology Laboratory (SG)

PLB 300: Plant Diversity and Evolution (L or SG)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Biological Sciences (Animal Physiology and Behavior), BS

College of Liberal Arts and Sciences

Tempe campus
LABSCABS

Term 1 0 - 15 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 BIO 189: Life Sciences Career Paths		1		- An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses - ASU Math Placement Exam score determines placement in Mathematics course - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. - Students who place lower in mathematics than MAT 170 are behind and will not be eligible for these courses. Please meet with an advisor to discuss an appropriate schedule for your first term as you make up pre-requisites.
 BIO 281: Conceptual Approaches to Biology for Majors I		4	C	
STP 231: Statistics for Life Science (CS)		3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
CHM 113: General Chemistry I (SQ)		4	C	
Term hours subtotal:		15		
Term 2 16 - 32 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 BIO 282: Conceptual Approaches to Biology for Majors II		4	C	
 MAT 251: Calculus for Life Sciences (MA)		3	C	
CHM 116: General Chemistry II (SQ)		4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)		3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		17		
Term 3 33 - 46 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 BIO 340: General Genetics		4	C	Students planning to attend medical school should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235.
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)		4	C	
CLAS Science and Society Elective		3	C	

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3
 Complete First-Year Composition requirement.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	14

Term 4 47 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 345: Organic Evolution	3	C	Students planning to attend medical school should take CHM 234 and CHM 238 instead of an elective this term.
 BIO 331: Animal Behavior OR BIO 360: Animal Physiology OR BCH 361: Advanced Principles of Biochemistry	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 62 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIO 331: Animal Behavior OR BIO 360: Animal Physiology OR BCH 361: Advanced Principles of Biochemistry	3	C	- Optimal time for Study Abroad, schedule an advising appointment at https://solsadvising.asu.edu to discuss Study Abroad options - Students planning to attend medical school should take PHY 111 and PHY 113 instead of PHY 101.
PHY 101: Introduction to Physics (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	5		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIO 331: Animal Behavior OR BIO 360: Animal Physiology OR BCH 361: Advanced Principles of Biochemistry	3	C	- Optimal time for Study Abroad, schedule an advising appointment at https://solsadvising.asu.edu to discuss Study Abroad options - Students planning to attend medical school should take PHY 112 and PHY 114 instead of one of the electives this term.
 BIO 436: Sociobiology and Behavioral Ecology OR BIO 461: Comparative Animal Physiology OR BIO 462: Endocrine Physiology OR BIO 467: Neurobiology OR MIC 420: Immunology: Molecular and Cellular Foundations	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 7 92 - 107 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Major Electives	3-4	C	
 BIO 351: Developmental Biology OR BIO 370: Vertebrate Zoology OR BIO 385: Comparative Invertebrate Zoology OR BIO 453: Animal Histology OR PSY 426: Neuroanatomy	4-3	C	
BIO 436: Sociobiology and Behavioral Ecology OR BIO 461: Comparative Animal Physiology OR			

★ BIO 462: Endocrine Physiology OR BIO 467: Neurobiology OR MIC 420: Immunology: Molecular and Cellular Foundations	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Elective	3	
Term hours subtotal:	16	

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Major Laboratory/ Research Course	1-4	C	The variable hours in the laboratory/research and major elective tracks is reflective of the fact that the lists below contain courses of varying hours.
★ Upper Division Major Electives	3-4	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	13-17		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Major Laboratory/Research Courses
BCH 367: Elementary Biochemistry Laboratory
BIO 342: General Genetics Laboratory
BIO 343: Genetic Engineering and Society (L)
BIO 352: Laboratory in Vertebrate Developmental Anatomy
BIO 361: Animal Physiology Laboratory
BIO 451: Cell Biotechnology Laboratory
BIO 435: Research Techniques in Animal Behavior
BIO 484: Internship
BIO 495: Undergraduate Research
MBB 343: Genetic Engineering and Society (L)
MBB 484: Internship
MBB 495: Undergraduate Research
MIC 421: Experimental Immunology
MIC 484: Internship
MIC 495: Undergraduate Research
PLB 308: Plant Physiology
PLB 484: Internship

PLB 495: Undergraduate Research

Upper Division Major Electives

BIO 312: Bioethics (HU)

BIO 320: Fundamentals of Ecology

BIO 353: Cell Biology

BIO 386: General Entomology

BIO 415: Biometry (CS)

BIO 431: Genes, Development, and Evolution (L)

BIO 440: Functional Genomics

BIO 455: Introduction to Comparative Genomics

BIO 464: Photobiology

BIO 465: Neurophysiology

BIO 471: Ornithology

BIO 472: Mammalogy

BIO 474: Herpetology

BIO 494: Advanced Animal Behavior

BIO 494: Advanced Study Practicum, Advanced Study Practicum: Laboratory Assistance, Advanced Study Practicum: Lecture

PLB 440: Photobiology

PSY 470: Psychopharmacology

MBB 440: Functional Genomics

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Biological Sciences (Biology and Society), BS

College of Liberal Arts and Sciences

Tempe campus
LABSCBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 189: Life Sciences Career Paths	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar (BIO 189) required of all freshman students • Students who do not place into MAT 170 or higher are not prepared to take the courses in the major map. Please meet with an advisor to discuss how you will complete pre-requisites in order to get on track.
 BIO 281: Conceptual Approaches to Biology for Majors I	4	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		

Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 282: Conceptual Approaches to Biology for Majors II	4	C	
 MAT 251: Calculus for Life Sciences (MA)	3	C	
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	
Upper Division Biology and Society- Ethics Interface	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		

Complete 2 courses: Elective	6
 Complete First-Year Composition requirement.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 345: Organic Evolution	3	C	
Upper Division Major Biological Sciences Elective	3	C	
CLAS Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIO 311: Biology and Society	3	C	- BIO 311 is only taught in the Fall semester - Optimal time for Study Abroad, schedule an advising appointment at https://sols.asu.edu/undergraduate-studies/academic-advising to discuss Study Abroad options
 Upper Division Biology and Society- Science in Contemporary Society Interface	3	C	
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 79 - 92 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIO 314: Research Colloquium in Biology and Society I (L)	2	C	- BIO 314 is only taught in the Spring semester - Optimal time for Study Abroad, schedule an advising appointment at https://sols.asu.edu/undergraduate-studies/academic-advising to discuss Study Abroad options
 Upper Division Biology and Society- History and Philosophy of Science Interface	3	C	
 Upper Division Major Biological Sciences Elective	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	14		

Term 7 93 - 107 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Additional Major Core Elective Courses	3	C	
 Upper Division Major Biological Sciences Elective	3	C	
 Upper Division Research/Internship	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 414: Research Colloquium in Biology and Society II (L)	1	C	• BIO 414 is only taught in the Spring semester
★ Upper Division Major Biological Sciences Elective	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	13		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Science in Contemporary Society Interface Course

AFR 383: Blacks in Science, Medicine
and Public Health

ASB 353: Death and Dying in
Cross-Cultural Perspective ((HU or SB) &
G)

BIO 302: Cancer--Mother of All Diseases
(L)

BIO 322: Conservation Biology and
Ecological Sustainability I

BIO 323: Ecosystem Restoration and
Management

BIO 344: Origins, Evolution, and Creation

BIO 394: Science and Society

BIO 412: Conservation in Practice

BIO 427: Fire (H)

BIO 494: Ecosystems Services: People &
Nature

CHM 107: Chemistry and Society (SQ &
G)

HON 394: History and Evolution of Food

HON 494: Genetics and the Law

HON 494: Law, Science, and Technology

HON 494: Uncertainty and Decision
Making

HPS 311: Origins, Evolution, and
Creation

HPS 394: Science and Society

JMC 445: Science and Medical Writing

MIC 314: HIV/AIDS: Science, Behavior,
and Society

MIC 427: Immunoneuropsychology:
Research Foundation (L)

PLB 302: Plants and Civilization

PSY 427: Immunoneuropsychology:
Research Foundation

WST 360: Women as Healers (SB & G)

WST 394: Women and International
Health

Additional Major Core Elective Courses

BIO 312: Bioethics (HU)

BIO 316: History of Biology: Conflicts
and Controversies (H)

BIO 322: Conservation Biology and
Ecological Sustainability I

HPS 314: Philosophy of Science (HU)

HPS 322: History of Science (HU & H)

HPS 330: History of Biology: Conflicts
and Controversies

PHI 314: Philosophy of Science (HU)

PHI 320: Bioethics (HU)

BIO 302: Cancer--Mother of All Diseases
(L)

BIO 318: History of Medicine (H)

HPS 331: History of Medicine (H)

BIO 323: Ecosystem Restoration and
Management

BIO 324: Environmental Ethics (HU)

PHI 310: Environmental Ethics (HU)

BIO 344: Origins, Evolution, and Creation

HPS 311: Origins, Evolution, and
Creation

BIO 412: Conservation in Practice

BIO 416: Professional Values in Science
(L)

HPS 410: Professional Values in Science
(L)

BIO 427: Fire (H)

HPS 313: Probability, Evidence, and
Decision

PHI 313: Probability, Evidence, and
Decision

HPS 323: History of Science (HU & H)

HPS 325: History of Chinese Medicine
(HU & H & G)

HPS 336: Exploration and Science (SB &
H)

MIC 314: HIV/AIDS: Science, Behavior,
and Society

MIC 427: Immunoneuropsychology:
Research Foundation (L)

MIC 428: Immunophilosophy

PLB 302: Plants and Civilization

Major Biological Sciences Elective
Courses

BIO 312: Bioethics (HU)

BIO 316: History of Biology: Conflicts
and Controversies (H)

BIO 318: History of Medicine (H)

BIO 320: Fundamentals of Ecology

BIO 322: Conservation Biology and
Ecological Sustainability

BIO 323: Ecosystem Restoration and
Management

BIO 324: Environmental Ethics (HU)

BIO 331: Animal Behavior

BIO 343: Genetic Engineering and
Society (L)

BIO 344: Origins, Evolution, and Creation

BIO 351: Developmental Biology

BIO 353: Cell Biology

BIO 355: Introduction to Computational
Molecular Biology (CS)

BIO 360: Animal Physiology

BIO 370: Vertebrate Zoology

BIO 386: General Entomology

BIO 406: Computer Applications in
Biology (CS)

BIO 412: Conservation in Practice

BIO 415: Biometry (CS)

BIO 416: Professional Values in Science
(L)

BIO 427: Fire (H)

BIO 428: Biogeography (L)

BIO 431: Genes, Development, and
Evolution (L)

BIO 436: Sociobiology and Behavioral
Ecology

BIO 440: Functional Genomics

BIO 446: Principles of Human Genetics
(L)

BIO 455: Introduction to Comparative
Genomics

BIO 461: Comparative Animal
Physiology

BIO 462: Endocrine Physiology

BIO 467: Neurobiology

BIO 471: Ornithology

BIO 472: Mammalogy

HPS 313: Probability, Evidence, and Decision

HPS 314: Philosophy of Science (HU)

HPS 322: History of Science (HU & H)

HPS 323: History of Science (HU & H)

HPS 325: History of Chinese Medicine (HU & H & G)

HPS 336: Exploration and Science (SB & H)

MBB 247: Principles of Molecular and Cellular Biology II

MBB 343: Genetic Engineering and Society (L)

MBB 355: Introduction to Computational Molecular Biology (CS)

MBB 440: Functional Genomics

MIC 220: Biology of Microorganisms

MIC 314: HIV/AIDS: Science, Behavior, and Society

MIC 360: Bacterial Physiology

MIC 420: Immunology: Molecular and Cellular Foundations

MIC 427: Immunoneuropsychology: Research Foundation (L)

MIC 428: Immunophilosophy

PLB 300: Plant Diversity and Evolution (L or SG)

PLB 306: Plant Anatomy

PLB 308: Plant Physiology

PLB 310: The Flora of Arizona

PLB 407: Plant Fossils and Evolution

PLB 432: Computer Applications in Biology (CS)

PLB 440: Photobiology

PLB 498: Sonoran Desert Field Botany

PLB 440: Photobiology

History and Philosophy of Science Interface Course

BIO 316: History of Biology: Conflicts and Controversies (H)

BIO 318: History of Medicine (H)

BIO 344: Origins, Evolution, and Creation

BIO 394: Special Topics

HPS 311: Origins, Evolution, and Creation

HPS 313: Probability, Evidence, and Decision

HPS 314: Philosophy of Science (HU)

HPS 322: History of Science (HU & H)

HPS 323: History of Science (HU & H)

HPS 325: History of Chinese Medicine
(HU & H & G)

HPS 330: History of Biology: Conflicts
and Controversies (H)

HPS 331: History of Medicine (H)

HPS 336: Exploration and Science (SB &
H)

HPS 394: Science and Society

HST 385: History of Chinese Medicine
(HU & H & G)

MIC 428: Immunophilosophy

PHI 313: Probability, Evidence, and
Decision

PHI 314: Philosophy of Science (HU)

PHI 428: Immunophilosophy

Ethics Interface Courses

BIO 312: Bioethics (HU)

BIO 324: Environmental Ethics (HU)

BIO 416: Professional Values in Science
(L)

HPS 410: Professional Values in Science
(L)

PHI 310: Environmental Ethics (HU)

PHI 320: Bioethics (HU)

Upper Division Research/Internship

BIO 484: Internship

BIO 492: Honors Directed Study

BIO 495: Undergraduate Research

BIO 499: Individualized Instruction

HPS 484: Internship

HPS 492: Honors Directed Study

HPS 495: Undergraduate Research

HPS 499: Individualized Instruction

MBB 484: Internship

MBB 492: Honors Directed Study

MBB 495: Undergraduate Research

MBB 499: Individualized Instruction

MIC 484: Internship

MIC 492: Honors Directed Study

MIC 495: Undergraduate Research

MIC 499: Individualized Instruction

PLB 484: Internship

PLB 492: Honors Directed Study

PLB 495: Undergraduate Research

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Biological Sciences (Conservation Biology and Ecology), BS

College of Liberal Arts and Sciences

Tempe campus
LABSCCBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 189: Life Sciences Career Paths	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • Students who do not test into MAT 170 should see their advisor to determine how they will work through their prerequisites to get on track.
 BIO 281: Conceptual Approaches to Biology for Majors I	4	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 282: Conceptual Approaches to Biology for Majors II	4	C	
 MAT 251: Calculus for Life Sciences (MA)	3	C	
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
Term 3 33 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	• Students planning to attend medical school should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235.
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete First-Year Composition requirement.			

Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 47 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 345: Organic Evolution	3	C	Students planning to attend medical school should take CHM 234 and CHM 238 instead of the elective this term.
 BIO 320: Fundamentals of Ecology	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 62 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>  BIO 322: Conservation Biology and Ecological Sustainability OR BIO 323: Ecosystem Restoration and Management OR BIO 411: Quantitative Methods in Conservation and Ecology	6	C	- Optimal time for Study Abroad, schedule an advising appointment at https://solsadvising.asu.edu to discuss Study Abroad options. - Students planning to attend medical school should take PHY 111 and PHY 113 instead of PHY 101 this term.
 GPH 111: Introduction to Physical Geography (SQ) OR GIS 205: Geographic Information Technologies (CS) OR GLG 101: Introduction to Geology I (Physical) (SQ & G) AND GLG 103: Introduction to Geology I-Laboratory (SQ) OR PHY 101: Introduction to Physics (SQ)	4-3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	1		
Term hours subtotal:	14-13		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIO 322: Conservation Biology and Ecological Sustainability OR BIO 323: Ecosystem Restoration and Management OR BIO 411: Quantitative Methods in Conservation and Ecology	3	C	- By end of term 6 BIO 320, 322, 323 and 411 should be completed. - Optimal time for Study Abroad, schedule an advising appointment at https://solsadvising.asu.edu to discuss Study Abroad options. - Students planning to attend medical school should take PHY 112 and PHY 114 instead of the Upper Division Elective this term.
 BIO 324: Environmental Ethics (HU) OR BIO 412: Conservation in Practice OR BIO 494: People and Nature OR HST 394: History & Philosophy of Sustainability	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIO 370: Vertebrate Zoology OR BIO 385: Comparative Invertebrate Zoology OR PLB 300: Plant Diversity and Evolution (L or SG)	3	C	
 BIO 420: Immunology: Molecular and Cellular Foundations OR BIO 424: Dynamic Modeling in Social and Ecological Systems OR BIO 426: Limnology (L) OR BIO 427: Fire (H) OR BIO 494: Soil Ecology OR PLB 420: Plant Ecology: Organisms and Populations	3	C	

Upper Division Literacy and Critical Inquiry (L)	3
Complete 2 courses: Elective	6
Term hours subtotal:	15

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 412: Conservation in Practice OR ★ BIO 421: Landscape Ecology OR ★ BIO 422: Ecosystem Ecology OR ★ BIO 423: Population and Community Ecology	3	C	The variable hours in the biodiversity, field and research is reflective of the fact that the list below contains courses of varying hours.
★ Upper Division Biodiversity, Field and Research Course	3-4	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15-16		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Biodiversity, Field and Research Courses

ASM 443: Primatology

BIO 321: Introductory Ecology
Laboratory (L)

BIO 325: Oceanography

BIO 331: Animal Behavior

BIO 370: Vertebrate Zoology

BIO 385: Comparative Invertebrate
Zoology

BIO 386: General Entomology

BIO 410: Techniques in Conservation
Biology and Ecology (L)

BIO 471: Ornithology

BIO 472: Mammalogy

BIO 474: Herpetology

BIO 484: Internship

BIO 495: Undergraduate Research

GPH 422: Plant Geography

MIC 220: Biology of Microorganisms

PLB 300: Plant Diversity and Evolution
(L or SG)

PLB 401: Mycology

PLB 407: Plant Fossils and Evolution

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Biological Sciences (Genetics, Cell and Developmental Biology), BS

College of Liberal Arts and Sciences

Tempe campus
LABSCGBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 189: Life Sciences Career Paths	1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • Students who do not test into MAT 170 or higher must meet with their advisor to determine the remediation they must accomplish to get on track.
 BIO 281: Conceptual Approaches to Biology for Majors I	4	C	
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 282: Conceptual Approaches to Biology for Majors II	4	C	
 MAT 251: Calculus for Life Sciences (MA)	3	C	
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
Term 3 33 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 340: General Genetics	4	C	• Students planning on attending medical school should take CHM 233 and CHM 237 instead of CHM 231 and CHM 235.
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete First-Year Composition requirement.			

Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 47 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 345: Organic Evolution	3	C	Students planning to attend medical school should take CHM 234 and CHM 238 instead of the elective this term.
BIO 360: Animal Physiology OR BIO 446: Principles of Human Genetics (L) OR MBB 247: Principles of Molecular and Cellular Biology II OR MBB 440: Functional Genomics OR MIC 420: Immunology: Molecular and Cellular Foundations	3-4	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15-16		

Term 5 62 - 77 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
Complete 2 courses:  BIO 351: Developmental Biology OR BIO 353: Cell Biology OR BCH 361: Advanced Principles of Biochemistry	6	C	- Optimal time for Study Abroad, schedule an advising appointment at https://solsadvising.asu.edu to discuss Study Abroad options. - Students planning to attend medical school should take PHY 111 and PHY 113 instead of PHY 101.
PHY 101: Introduction to Physics (SQ)	4	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Term hours subtotal:	16		

Term 6 78 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIO 351: Developmental Biology OR BIO 353: Cell Biology OR BCH 361: Advanced Principles of Biochemistry	3	C	- Complete remaining course from BIO 351, BIO 353, and BCH 361 - Optimal time for Study Abroad, schedule an advising appointment at https://solsadvising.asu.edu to discuss Study Abroad options. - Students planning to attend medical school should take PHY 112 and PHY 114 instead of the elective this term. - The variable hours in the laboratory/research track is reflective of the fact that the list below contains courses of varying hours. Students may take one hour at an unspecified level, but may choose any of the courses in the list.
 Major Laboratory/Research Course	1-4	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	13-16		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ Upper Division Major Elective	3	C
★ Upper Division Major Laboratory/Research Course	3	C
Upper Division CLAS Science and Society Elective	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Upper Division Elective	3	
Term hours subtotal:	15	

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Major Elective	3	C	
BIO 360: Animal Physiology OR BIO 446: Principles of Human Genetics (L) OR MBB 247: Principles of Molecular and Cellular Biology II OR MBB 440: Functional Genomics OR MIC 420: Immunology: Molecular and Cellular Foundations	3-4	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15-16		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Major Laboratory/Research Courses

BIO 342: General Genetics Laboratory

BIO 352: Laboratory in Vertebrate Developmental Anatomy

BIO 451: Cell Biotechnology Laboratory

BIO 453: Animal Histology

BIO 495: Undergraduate Research

MBB 343: Genetic Engineering and Society (L)

MBB 350: Applied Genetics or PLB 350: Applied Genetics

MBB 495: Undergraduate Research

MIC 206: Microbiology Laboratory (SG)
AND MIC 220: Biology of Microorganisms

MIC 302: Advanced Bacteriology Laboratory (L)

MIC 421: Experimental Immunology

MIC 495: Undergraduate Research

PLB 308: Plant Physiology

PLB 495: Undergraduate Research

Major Electives

BCH 367: Elementary Biochemistry Laboratory

BIO 302: Cancer--Mother of All Diseases (L)

BIO 312: Bioethics (HU)

BIO 320: Fundamentals of Ecology

BIO 342: General Genetics Laboratory

BIO 346: The Darwinian Revolution

BIO 352: Laboratory in Vertebrate Developmental Anatomy

BIO 355: Introduction to Computational Molecular Biology (CS) or MBB 355: Introduction to Computational Molecular Biology (CS)

BIO 360: Animal Physiology

BIO 406: Computer Applications in Biology (CS) or PLB 432: Computer Applications in Biology (CS)

BIO 415: Biometry (CS)

BIO 416: Professional Values in Science (L)

BIO 431: Genes, Development, and Evolution (L)

BIO 440: Functional Genomics or MBB 440: Functional Genomics

BIO 446: Principles of Human Genetics (L)

BIO 451: Cell Biotechnology Laboratory

BIO 453: Animal Histology

BIO 455: Introduction to Comparative Genomics

BIO 462: Endocrine Physiology

BIO 464: Photobiology or PLB 440: Photobiology

BIO 467: Neurobiology

BIO 494: Advanced Animal Behavior, Advanced Study Practicum, Advanced Study Practicum: Laboratory Assistance, Advanced Study Practicum: Lecture

HPS 322: History of Science (HU & H)

HPS 323: History of Science (HU & H)

HPS 330: History of Biology: Conflicts and Controversies (H)

HPS 331: History of Medicine (H)

MBB 247: Principles of Molecular and Cellular Biology II

MBB 343: Genetic Engineering and Society (L)

MBB 350: Applied Genetics or PLB 350: Applied Genetics

MIC 220: Biology of Microorganisms
AND MIC 206: Microbiology Laboratory
(SG)

MIC 302: Advanced Bacteriology
Laboratory (L)

MIC 360: Bacterial Physiology

MIC 420: Immunology: Molecular and
Cellular Foundations

MIC 421: Experimental Immunology

MIC 426: Medical Immunology

MIC 427: Immunoneuropsychology:
Research Foundation (L)

MIC 485: General Virology

PLB 308: Plant Physiology

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Biophysics, BS**

College of Liberal Arts and Sciences

Tempe campus

LABIPHBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 LIA 101: Student Success in the College of Liberal Arts and Sciences OR PHY 191: First-Year Seminar	1		• An SAT, ACT, Accuplacer or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively • CHM 113 may be used in place of CHM 117 and CHM 111
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Maintain 2.60 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 2 16 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	• PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively • CHM 113 may be used in place of CHM 117 and CHM 111
 PHY 150: Physics I (SQ)	4	C	
BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.60 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	• PHY 121/122 and 131/132 (or other equivalents) may be used in place of PHY 150 and 151, respectively
 PHY 151: Physics II (SQ)	4	C	

CHM 117: General Chemistry for Majors I (SQ) AND CHM 111: General Chemistry Laboratory for Majors I	4	C
CLAS Science and Society Elective	3	C
 Maintain 2.60 GPA in Critical Tracking Courses.		
Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Term hours subtotal:	15	

- CHM 113 may be used in place of CHM 117 and CHM 111

Term 4	46 - 62 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	PHY 201: Mathematical Methods in Physics I (CS)		3	C	• CHM 116 may be used in place of CHM 118 and CHM 112, and students who took CHM 113 must take this course instead of the CHM 118 and CHM 112. • MAT 275 (Modern Differential equations) (or MAT 274, (Elementary Differential Equations) plus MAT 243 (Elementary Linear Algebra) (or MAT 343, Applied Linear Algebra) may be taken in place of PHY 201. The combination MAT275 + MAT 343 is sufficient, but PHY 201 is recommended.
	PHY 252: Physics III (SQ)		4	C	
	CHM 118: General Chemistry for Majors II (SQ) AND CHM 112: General Chemistry Laboratory for Majors II		4	C	
	Social-Behavioral Sciences (SB) AND Global Awareness (G)		3		
	Humanities, Arts and Design (HU) AND Historical Awareness (H)		3		
	Maintain 2.60 GPA in Critical Tracking Courses.				
		Term hours subtotal:	17		

Term 5 63 - 77 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CHM 345: Physical Chemistry I	3	C	
BIO 360: Animal Physiology OR BIO 353: Cell Biology	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 78 - 92 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CHM 346: Physical Chemistry II	3	C	
 PHY 312: Mechanics and Electromagnetism	3	C	
 PHY 371: Driving Forces in Biology	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Minimum

Term 7 93 - 107 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ PHY 472: Advanced Biophysics Lab	3	C	• PHY 472 includes a 1 credit lab component
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Upper Division Elective	6		
Elective	3		
Term hours subtotal:	15		

Term 8 108 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 473: From Molecules to Cells	3	C	
Complete 3 courses: Upper Division Elective	9		
Elective	1		
Term hours subtotal:	13		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Chemistry, BA**

College of Liberal Arts and Sciences

 Tempe campus
LACHMBA

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 111: General Chemistry Laboratory for Majors I AND CHM 117: General Chemistry for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
CHM 191: Chemistry Topics OR LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		
Term 2 16 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 112: General Chemistry Laboratory for Majors II AND CHM 118: General Chemistry for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 333: Organic Chemistry for Majors I OR CHM 233: General Organic Chemistry I	3	C	
CHM 337: Organic Chemistry Laboratory for Majors I OR CHM 237: General Organic Chemistry Laboratory I	1	C	
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU)	3		
 Complete First-Year Composition requirement.			

Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 46 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	
CHM 334: Organic Chemistry for Majors II OR CHM 234: General Organic Chemistry II	3	C	
CHM 338: Organic Chemistry Laboratory for Majors II OR CHM 238: General Organic Chemistry Laboratory II	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CHM 325: Analytical Chemistry AND CHM 326: Advanced Analytical Chemistry Laboratory	4	C	
 CHM 341: Elementary Physical Chemistry	3	C	
CHM 343: Elementary Physical Chemistry Laboratory	1	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CHM OR BCH Upper Division Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CHM 453: Inorganic Chemistry	3	C	• CHM 453 is only offered in the Fall semester.
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Literacy and Critical Inquiry (L)	3		

Term hours subtotal: 15

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Chemistry, BS

College of Liberal Arts and Sciences

Tempe campus
LACHMBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
 CHM 111: General Chemistry Laboratory for Majors I AND CHM 117: General Chemistry for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	
CHM 191: Chemistry Topics OR LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		
Term 2 16 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 112: General Chemistry Laboratory for Majors II AND CHM 118: General Chemistry for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
CHM 333: Organic Chemistry for Majors I OR CHM 233: General Organic Chemistry I	3	C	
CHM 337: Organic Chemistry Laboratory for Majors I OR CHM 237: General Organic Chemistry Laboratory I	1	C	
MAT 272: Calculus with Analytic Geometry III (MA)	4	C	
PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
PHY 132: University Physics Laboratory II (SQ)	1	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete First-Year Composition requirement.			

Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 46 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 240: Mathematical Methods in Chemistry (CS)	3	C	AZ Community College students should consult with their advisor for appropriate math courses to meet enrollment requirements for CHM 345. The 6 units of "elective" will be Mathematics courses for the AZ community college student.
CHM 334: Organic Chemistry for Majors II OR CHM 234: General Organic Chemistry II	3	C	
CHM 338: Organic Chemistry Laboratory for Majors II OR CHM 238: General Organic Chemistry Laboratory II	1	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 5 62 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CHM 345: Physical Chemistry I	3	C	CHM 325, 326, 345, and 348 are only offered in the Fall semester
 CHM 348: Physical Chemistry Laboratory I (L)	1	C	
CHM 325: Analytical Chemistry AND CHM 326: Advanced Analytical Chemistry Laboratory	4	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	14		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CHM 346: Physical Chemistry II	3	C	CHM 327, 328, 346, and 349 are only offered in the Spring semester
 CHM 349: Physical Chemistry Laboratory II (L)	1	C	
CHM 327: Instrumental Analysis	3	C	
CHM 328: Instrumental Analysis Laboratory	2	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CHM 453: Inorganic Chemistry	3	C	CHM 453 is only offered in the Fall semester
BCH OR CHM Upper Division Elective	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Minimum

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Grade	Notes
★	CHM 452: Inorganic Chemistry Laboratory (L)		1	C	• CHM 452 is only offered in the Spring semester
★	CHM 460: Biological Chemistry		3	C	
	CLAS Science and Society Elective		3	C	
	Complete 2 courses: Upper Division Elective		6		
	Elective		2		
Term hours subtotal:			15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Chemistry (Environmental Chemistry), BS

College of Liberal Arts and Sciences

Tempe campus
LACHMEBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
 CHM 111: General Chemistry Laboratory for Majors I AND CHM 117: General Chemistry for Majors I (SQ) OR CHM 113: General Chemistry I (SQ)	4	C	
CHM 191: Chemistry Topics OR LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		
Term 2 16 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 112: General Chemistry Laboratory for Majors II AND CHM 118: General Chemistry for Majors II (SQ) OR CHM 116: General Chemistry II (SQ)	4	C	
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
 PHY 121: University Physics I: Mechanics (SQ)	3	C	
PHY 122: University Physics Laboratory I (SQ)	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 131: University Physics II: Electricity and Magnetism (SQ)	3	C	
PHY 132: University Physics Laboratory II (SQ)	1	C	
CHM 333: Organic Chemistry for Majors I OR CHM 233: General Organic Chemistry I	3	C	
CHM 337: Organic Chemistry Laboratory for Majors I OR CHM 237: General Organic Chemistry Laboratory I	1	C	
MAT 272: Calculus with Analytic Geometry III (MA)	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete First-Year Composition requirement.			

Term hours subtotal: 15

Term 4 46 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ CHM 240: Mathematical Methods in Chemistry (CS)	3	C	AZ Community College students should consult with their advisor for appropriate math courses to meet the enrollment requirements for CHM 345. The 6 units of "elective" will be Mathematics courses for the AZ community college student.
CHM 334: Organic Chemistry for Majors II OR CHM 234: General Organic Chemistry II	3	C	
CHM 338: Organic Chemistry Laboratory for Majors II OR CHM 238: General Organic Chemistry Laboratory II	1	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		

Term 5 62 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 302: Environmental Chemistry	3	C	CHM 302, 325, 326, 345, and 348 are only offered in the Fall semester.
★ CHM 345: Physical Chemistry I	3	C	
CHM 348: Physical Chemistry Laboratory I (L)	1	C	
CHM 325: Analytical Chemistry AND CHM 326: Advanced Analytical Chemistry Laboratory	4	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	14		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GLG 321: Mineralogy	3	C	CHM 303 and GLG 321 are only offered in the Spring semester
BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory	4	C	
CHM 303: Environmental Chemistry Laboratory (L)	2	C	
Upper Division CLAS Science and Society Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CLAS Science and Society Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CHM 481: Geochemistry	3	C	CHM 481 is only offered in the Spring semester.

Complete 3 courses: Upper Division Elective	10
Elective	2
Term hours subtotal:	15

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Communication, BA

College of Liberal Arts and Sciences

Tempe campus
LACOMBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
 Complete Mathematics (MA) requirement.			
 Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 17

Term 4 48 - 62 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 207: Introduction to Communication Inquiry	3	C	• Select COM and Related Area courses in conjunction with academic advisor
COM Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Complete 2 courses: Elective	5		
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		15	

Term 5 63 - 77 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 COM 308: Advanced Research Methods in Communication (L)	3	C	• Select COM and Related Area courses in conjunction with academic advisor
Upper Division COM course (SB)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Upper Division Related Area Course	3	C	
Upper Division Elective	3		
Term hours subtotal:		15	

Term 6 78 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 COM 4** Elective	3	C	• Select COM and Related Area courses in conjunction with academic advisor
COM Upper Division Elective	3	C	
Upper Division Related Area Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	3		
Term hours subtotal:		16	

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 COM 407: Advanced Critical Methods in Communication	3	C	• Select COM and Related Area courses in conjunction with academic advisor
 COM 4** Elective	3	C	
Upper Division Related Area Course	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:		15	

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 COM 4** Elective	3	C	
Upper Division Elective	3		

Term hours subtotal: 12

Upper Division Related Area

ACC Upper Division Elective

AIS Upper Division Elective

AFR Upper Division Elective

AFS Upper Division Elective

APA Upper Division Elective

CDE Upper Division Elective

COB Upper Division Elective

CRJ Upper Division Elective

DCE Upper Division Elective

ECN Upper Division Elective

ENG Upper Division Elective

FAS Upper Division Elective

FIN Upper Division Elective

FMS Upper Division Elective

IBS Upper Division Elective

GCU Upper Division Elective

JUS Upper Division Elective

LES Upper Division Elective

MCO Upper Division Elective

MGT Upper Division Elective

MKT Upper Division Elective

PAF Upper Division Elective

PHI Upper Division Elective

PSY Upper Division Elective

POS Upper Division Elective

PRM Upper Division Elective

PUP Upper Division Elective

REA Upper Division Elective

REL Upper Division Elective

SGS Upper Division Elective

SOC Upper Division Elective

SWU Upper Division Elective

TCL Upper Division Elective

TDM Upper Division Elective

THE Upper Division Elective

THP Upper Division Elective

WSH Upper Division Elective

WST Upper Division Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.50 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Communication, BS

College of Liberal Arts and Sciences
LACOMBS

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
LIA 101: Student Success in the College of Liberal Arts and Sciences		1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)		3		
Mathematics (MA)		3	C	
Complete 2 courses: Elective		6		
Term hours subtotal:		16		
Term 2 17 - 31 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)		3	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)		3		
Complete 2 courses: Elective		6		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		15		
Term 3 32 - 47 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)		3	C	
Computer/Statistics/Quantitative Applications (CS)		3		
Natural Science - Quantitative (SQ)		4		
Complete 2 courses: Elective		6		
 Complete Mathematics (MA) requirement.				
Complete First-Year Composition requirement.				
 Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:		16		
				Minimum

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Grade	Notes
 COM 207: Introduction to Communication Inquiry	3	C	
COM Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
CLAS Science and Society Elective	3	C	
Elective	3		
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 COM 308: Advanced Research Methods in Communication (L)	3	C	
Upper Division COM course (SB)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Related Area Course	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 COM 4** Elective	3	C	
COM Upper Division Elective	3	C	
Upper Division Related Area Course	3	C	
Upper Division Elective	3		
Elective	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 COM 408: Quantitative Research Methods in Communication	3	C	
 COM 4** Elective	3	C	
Upper Division Related Area Course	3	C	
Upper Division Elective	3		
Elective	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 COM 4** Elective	3	C	
Complete 2 courses:			

Upper Division Elective	6
Elective	3
Minimum 2.50 GPA ASU Cumulative.	
Term hours subtotal:	12

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Upper Division Related Area
ACC Upper Division Elective
AFR Upper Division Elective
AFS Upper Division Elective
AIS Upper Division Elective
APA Upper Division Elective
CDE Upper Division Elective
COB Upper Division Elective
CRJ Upper Division Elective
DCE Upper Division Elective
ECN Upper Division Elective
ENG Upper Division Elective
FAS Upper Division Elective
FIN Upper Division Elective
FMS Upper Division Elective
GCU Upper Division Elective
IBS Upper Division Elective
JUS Upper Division Elective
LES Upper Division Elective
MCO Upper Division Elective
MGT Upper Division Elective
MKT Upper Division Elective
PAF Upper Division Elective
PHI Upper Division Elective
POS Upper Division Elective
PRM Upper Division Elective
PSY Upper Division Elective
PUP Upper Division Elective
REA Upper Division Elective
REL Upper Division Elective

SGS Upper Division Elective

SOC Upper Division Elective

SWU Upper Division Elective

TCL Upper Division Elective

TDM Upper Division Elective

THE Upper Division Elective

THP Upper Division Elective

WSH Upper Division Elective

WST Upper Division Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.50 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Communication, BS**

College of Liberal Arts and Sciences
Online
LACOMBS

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101: The ASU Experience	1		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		

Term 1 - B 8 - 13 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 2 - A 14 - 19 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		

Term 2 - B 20 - 25 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 26 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 259: Communication in Business and the Professions	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		

⚠ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 6

Term 3 - B 32 - 38 Credit Hours **Critical course signified by** ⚠

Hours	Minimum Grade	Notes

Literacy and Critical Inquiry (L)	3	

Natural Science - Quantitative (SQ)	4	

⚠ Complete Mathematics (MA) requirement.

⚠ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 7

Term 4 - A 39 - 44 Credit Hours **Critical course signified by** ⚠

Hours	Minimum Grade	Notes

⚠ COM 207: Introduction to Communication Inquiry 3 C

Elective	3	

⚠ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 6

Term 4 - B 45 - 51 Credit Hours **Critical course signified by** ⚠

Hours	Minimum Grade	Notes

Global Awareness (G)	3	

Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	

⚠ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 7

Term 5 - A 52 - 57 Credit Hours **Necessary course signified by** ★

Hours	Minimum Grade	Notes

★ COM 316: Gender and Communication (SB & C) 3 C

CLAS Science and Society Elective	3	C

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 6

Term 5 - B 58 - 63 Credit Hours **Necessary course signified by** ★

Hours	Minimum Grade	Notes

★ COM 308: Advanced Research Methods in Communication (L) 3 C

Elective	3	

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 6

Term 6 - A 64 - 69 Credit Hours **Necessary course signified by** ★

Hours	Minimum Grade	Notes

★ COM 319: Persuasion and Social Influence (SB) 3 C

Elective	3	

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 6

Term 6 - B	70 - 75 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

★ COM 312: Communication, Conflict, and Negotiation	3	C

Historical Awareness (H)	3	

Minimum 2.50 GPA ASU Cumulative.		

Term hours subtotal: 6

Term 7 - A	76 - 81 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

★ COM 400: Communication in Professions (HU & C)	3	C

Upper Division CLAS Science and Society Elective	3	C

Minimum 2.50 GPA ASU Cumulative.		

Term hours subtotal: 6

Term 7 - B	82 - 87 Credit Hours		Hours	Minimum Grade	Notes

COM 430: Leadership in Group Communication	3	C

Upper Division Elective	3	

Minimum 2.50 GPA ASU Cumulative.		

Term hours subtotal: 6

Term 8 - A	88 - 93 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

★ COM 453: Communication Training and Development	3	C

Upper Division Elective	3	

Minimum 2.50 GPA ASU Cumulative.		

Term hours subtotal: 6

Term 8 - B	94 - 99 Credit Hours		Hours	Minimum Grade	Notes

Complete 2 courses: Upper Division Elective	6	

Minimum 2.50 GPA ASU Cumulative.		

Term hours subtotal: 6

Term 9 - A	100 - 105 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

★ COM 408: Quantitative Research Methods in Communication	3	C

Upper Division Elective	3	

Minimum 2.50 GPA ASU Cumulative.		

Term hours subtotal: 6

Term 9 - B	106 - 111 Credit Hours		Hours	Minimum Grade	Notes

Upper Division Elective	3
Elective	3
Minimum 2.50 GPA ASU Cumulative.	
Term hours subtotal:	6

Term 10 - A 112 - 117 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Elective	6		
Term hours subtotal:	6		

Term 10 - B 118 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Elective	3		
Term hours subtotal:	3		

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Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.50 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Computational Mathematical Sciences, BS

College of Liberal Arts and Sciences

Tempe campus
LACMSBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	- An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses - ASU Math Placement Exam score determines placement in Mathematics course - ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 191: First-Year Seminar OR LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Elective	3		
Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 2 15 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	- PHI 103 Principles of Sound Reasoning (L) recommended. - Meet with your academic advisor to reflect on your first year of classes and map our coursework towards a timely graduation.
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHI 103: Principles of Sound Reasoning (L or HU) OR Literacy and Critical Inquiry (L)	3		
Science Sequence Course AND Natural Science - Quantitative (SQ)	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.50 GPA in Critical Tracking Courses.			
Minimum 2.00 GPA in MAT and STP.			
Term hours subtotal:	17		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 240: Introduction to Programming Languages	3	C	- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation - Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU)
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	
 MAT 275: Modern Differential Equations (MA)	3	C	
 MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Maintain 2.50 GPA in Critical Tracking Courses.			

Minimum 2.00 GPA in MAT and STP.
Complete Mathematics (MA) requirement.
Term hours subtotal: 16

Term 4 48 - 64 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 243: Discrete Mathematical Structures OR MAT 300: Mathematical Structures (L)	3	C	- Minimum grade of C required in all MAT classes; grade of B or better strongly correlated with timely graduation - Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.
Science Sequence Course AND Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	4		
Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	17		

Term 5 65 - 80 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MAT 370: Intermediate Calculus OR MAT 371: Advanced Calculus I	3	C	- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation - Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.
 MAT 420: Scientific Computing	3	C	
Science Sequence Course AND Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Elective	3		
Minimum 2.00 GPA in MAT and STP.			
Term hours subtotal:	16		

Term 6 81 - 96 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MAT 421: Applied Computational Methods (CS)	3	C	- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation - Meet with a career counselor from ASU Career Services for a review of your resume and interviewing tips for success.
Science Sequence Course AND Natural Science - Quantitative (SQ) or Natural Science - General (SG)	4	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Minimum 2.00 GPA in MAT and STP.			
Term hours subtotal:	16		

Term 7 97 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Internship/Research/Advanced Science Course	3	C	Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation
Upper Division Advanced Courses	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Upper Division Elective	3		

Minimum 2.00 GPA in MAT and STP.

Term hours subtotal: 12

- Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.

Term 8	109 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	Complete 2 courses: Upper Division Advanced Courses		6	C	• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. • Meet with your academic advisor for final degree check and apply for graduation through your My ASU.
	Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)		3		
	Upper Division Elective		3		
★	Minimum 2.00 GPA in MAT and STP.				
			Term hours subtotal:	12	

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

The Computational Mathematical Sciences degree requires students to select and complete two one-year lecture and lab combinations. Upon advisor approval, two advanced courses for which the first one-year science and lab sequence is a prerequisite may be substituted for the second one-year science and lab sequence.

Science Sequence Courses

AST 321: Introduction to Planetary and Stellar Astrophysics (SQ)

AST 113: Astronomy Laboratory I (SQ)

AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ)

AST 114: Astronomy Laboratory II (SQ)

BIO 181: General Biology I (SQ)

BIO 182: General Biology II (SG)

CHM 111: General Chemistry Laboratory for Majors I

CHM 112: General Chemistry Laboratory for Majors II

CHM 113: General Chemistry I (SQ)

CHM 114: General Chemistry for Engineers (SQ)

CHM 116: General Chemistry II (SQ)

CHM 117: General Chemistry for Majors I (SQ)

CHM 118: General Chemistry for Majors II (SQ)

CHM 231: Elementary Organic Chemistry (SQ)

CHM 235: Elementary Organic Chemistry Laboratory (SQ)

GLG 101: Introduction to Geology I (Physical) (SQ & G)

GLG 102: Introduction to Geology II (Historical) (SG & H)

GLG 103: Introduction to Geology I-Laboratory (SQ)

GLG 104: Introduction to Geology II-Laboratory (SG)

MIC 205: Microbiology (SG)

MIC 206: Microbiology Laboratory (SG)

MIC 220: Biology of Microorganisms

PHY 121: University Physics I: Mechanics (SQ)

PHY 122: University Physics Laboratory I (SQ)

PHY 131: University Physics II: Electricity and Magnetism (SQ)

PHY 132: University Physics Laboratory II (SQ)

PHY 150: Physics I (SQ)

PHY 151: Physics II (SQ)

Internship, Research, or Advanced Science

MAT 484: Internship

MAT 493: Honors Thesis (L)

MAT 494: Computational Sci Trning for Undergrad in Mth Sci, Problem Seminar, Undergraduate Research in Math

BIO 320: Fundamentals of Ecology

GLG 305: Dynamic Earth

GLG 321: Mineralogy

GLG 362: Geomorphology

PHI 413: Advanced Symbolic Logic

AST Upper Division Elective

BME Upper Division Elective

CEE Upper Division Elective

CHE Upper Division Elective

CHM Upper Division Elective

CIS Upper Division Elective

CSE Upper Division Elective

ECE 3** Elective

EEE Upper Division Elective

GLG 4** Elective

IEE Upper Division Elective

MAE Upper Division Elective

MIC Upper Division Elective

MSE Upper Division Elective

PHY Upper Division Elective

PLB Upper Division Elective

Advanced Courses

MAT 351: Mathematical Methods for Genetic Analysis (CS)

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 419: Introduction to Linear Optimization (CS)

MAT 423: Numerical Analysis I (CS)

MAT 425: Numerical Analysis II (CS)

MAT 447: Cryptography

MAT 451: Mathematical Modeling (CS)

MAT 452: Introduction to Chaos and Nonlinear Dynamics

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential Equations

MAT 475: Differential Equations

MAT 476: Partial Differential Equations

STP 420: Introductory Applied Statistics (CS)

STP 421: Probability

STP 425: Stochastic Processes

STP 427: Mathematical Statistics

STP 429: Experimental Statistics (CS)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Earth and Environmental Studies, BA

College of Liberal Arts and Sciences

Tempe campus
LAESBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • All freshmen must pass an academic success course and therefore must enroll in an Academic Success Cluster and/ or a First Year Seminar • Must complete GLG 101 and 103 together to earn SQ designation
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 170: Precalculus (MA)	3	C	
SES 191: Exploring SESE	1		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	14		

Term 2 15 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
SES 106: Habitable Worlds (SQ) OR GLG 108: Water Planet (SQ) OR  GLG 110: Dangerous World (SG & G) AND GLG 111: Dangerous World Laboratory (SG) OR GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG)	4	C	
 Approved BIO or PHY Courses	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ) OR CHM 114: General Chemistry for Engineers (SQ)	4	C	
SES 106: Habitable Worlds (SQ) OR GLG 108: Water Planet (SQ) OR  GLG 110: Dangerous World (SG & G) AND GLG 111: Dangerous World Laboratory (SG) OR	4	C	

GLG 102: Introduction to Geology II (Historical) (SG & H) AND
GLG 104: Introduction to Geology II-Laboratory (SG)

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4

C

Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)

3

❗ Complete Mathematics (MA) requirement.

Term hours subtotal:

15

Term 4 45 - 60 Credit Hours **Critical course signified by** ❗

Hours

Minimum
Grade

Notes

❗ GLG 327: Earth's Critical Zone

3

C

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4

C

Literacy and Critical Inquiry (L)

3

Social-Behavioral Sciences (SB) AND Historical Awareness (H)

3

Elective

3

Term hours subtotal:

16

- GLG327 is a critical course but it is only offered in the spring semester. Students not starting in the fall should plan to take this class as early as possible once they have met the pre-requisites.

Term 5 61 - 76 Credit Hours **Necessary course signified by** ★

Hours

Minimum
Grade

Notes

★ GLG 325: Oceanography

3

C

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4

C

Computer/Statistics/Quantitative Applications (CS)

3

Upper Division Elective

3

Elective

3

Term hours subtotal:

16

Term 6 77 - 91 Credit Hours **Necessary course signified by** ★

Hours

Minimum
Grade

Notes

★ GLG 305: Dynamic Earth

3

C

Complete 2 courses:
Upper Division Earth and Environmental Studies (EES) Major Electives

6

C

Upper Division Elective

3

Elective

3

Term hours subtotal:

15

Term 7 92 - 106 Credit Hours **Necessary course signified by** ★

Hours

Minimum
Grade

Notes

★ 4** (400 level) Earth and Environmental Studies (EES) Electives

3

C

Upper Division Earth and Environmental Studies (EES) Major Electives

3

C

Upper Division Literacy and Critical Inquiry (L)

3

Humanities, Arts and Design (HU)

3

Upper Division Elective

3

Term hours subtotal:

15

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GLG 464: Solving Environmental Problems	3	C	
★ 4** (400 level) Earth and Environmental Studies (EES) Electives	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	2		
Term hours subtotal:	14		

Approved BIO or PHY Courses

BIO 100: The Living World (SQ)

BIO 182: General Biology II (SG)

PHY 101: Introduction to Physics (SQ)

PHY 111: General Physics (SQ) AND
PHY 113: General Physics Laboratory (SQ)

400 Level Earth and Environmental Studies (EES) Electives

BIO 421: Landscape Ecology

ERM 426: Environmental Issues

ERM 428: International Environmental Management (G)

ERM 430: Watershed Management

GLG 404: Fundamentals of Planetary Geology

GLG 410: Computers in Geology (CS)

GLG 420: Volcanology

GLG 424: Petrology

GLG 430: Paleontology

GLG 435: Sedimentology

GLG 460: Astrobiology

GLG 481: Geochemistry

GLG 489: Field Geochemistry

GLG 490: Hydrology

GLG 490: Remote Sensing

GLG 494: Climate Science Sustainability

GPH 405: Energy and Environment

JUS 444: Environment and Justice (L & C)

PHI 407: Environmental Philosophy and Policy (L or HU)

POS 426: Elements of Public Policy (SB)

Earth and Environmental Studies (EES)
major electives

ASB 326: Human Impacts on Ancient
Environments (SB & H)

BIO 311: Biology and Society

BIO 319: Environmental Science
(Nonmajor) (G)

BIO 320: Fundamentals of Ecology

BIO 324: Environmental Ethics (HU)

BIO 346: The Darwinian Revolution

BIO 421: Landscape Ecology

ERM 426: Environmental Issues

ERM 428: International Environmental
Management (G)

ERM 430: Watershed Management

GLG 321: Mineralogy

GLG 404: Fundamentals of Planetary
Geology

GLG 410: Computers in Geology (CS)

GLG 420: Volcanology

GLG 424: Petrology

GLG 430: Paleontology

GLG 435: Sedimentology

GLG 441: Ore Deposits

GLG 481: Geochemistry

GLG 460: Astrobiology

GLG 489: Field Geochemistry

GLG 490: Hydrology

GLG 490: Remote Sensing

GLG 494: Climate Science Sustainability

GPH 314: Global Change (HU & G)

GPH 381: Geography of Natural
Resources (G)

GPH 405: Energy and Environment

HPS 311: Origins, Evolution, and
Creation

HPS 336: Exploration and Science (SB &
H)

JUS 444: Environment and Justice (L &
C)

HPS 394: Environment and Society

PHI 310: Environmental Ethics (HU)

PHI 407: Environmental Philosophy and
Policy (L or HU)

POS 300: Contemporary Global
Controversies (SB & G)

POS 426: Elements of Public Policy (SB)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Earth and Space Exploration, BS

College of Liberal Arts and Sciences
Tempe campus
LASESBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course. • SES 191 or College specific equivalent First Year Seminar (as approved by an advisor) required of all freshman students
SES 100: Introduction to Exploration (CS)	3	C	
SES 121: Earth, Solar System, and Universe I (SQ) AND SES 123: Earth, Solar System, and Universe Laboratory I	4	C	
SES 191: Exploring SESE	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	14		

Term 2 15 - 28 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 114: General Chemistry for Engineers (SQ)	4	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
SES 122: Earth, Solar System, and Universe II AND SES 124: Earth, Solar System, and Universe Laboratory II	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 29 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 45 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 267: Calculus for Engineers III (MA)	3	C	
 PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	16		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SES 350: Engineering Systems and Experimental Problem Solving	3	C	Students need two upper division electives for the major (6 credits total). Electives may be chosen from the branch course list or students may take any other upper division GLG or SES or AST courses offered by the School of Earth and Space Exploration, excluding GLG300 or GLG400.
 Upper Division SES Branch Course	3	C	
MAT 275: Modern Differential Equations (MA)	3	C	
SES OR GLG OR AST Upper Division Elective	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division SES Branch Course	3	C	Students need two upper division electives for the major (6 credits total). Electives may be chosen from the branch course list or students may take any other upper division GLG or SES or AST courses offered by the School of Earth and Space Exploration, excluding GLG300 or GLG400.
SES OR GLG OR AST Upper Division Elective	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 7 91 - 106 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SES 410: Senior Exploration Project I	3	C	
 Upper Division SES Branch Course	3	C	
GLG 400: Earth and Space Exploration Colloquium	1	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	16		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SES 411: Senior Exploration Project II	3	C	
★ Upper Division SES Branch Course	3	C	
Complete 2 courses: Upper Division Elective	5		
Elective	3		
Term hours subtotal:	14		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

SES Branch Courses

AST 321: Introduction to Planetary and Stellar Astrophysics (SQ)

AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ)

GLG 310: Structural Geology

GLG 321: Mineralogy

GLG 418: Geophysics

GLG 424: Petrology

GLG 481: Geochemistry

GLG 490: Hydrology

GLG 490: Remote Sensing

SES 311: Essentials of Astrobiology: Exploration for Life in the Universe

SES 330: Practical Electronics and Instrumentation

SES 405: Exploration Systems Engineering

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

Total Community College Hrs: 64
maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Earth and Space Exploration (Astrobiology and Biogeosciences), BS

College of Liberal Arts and Sciences

Tempe campus
LASESABBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • LIA 101 or College specific equivalent First Year Seminar required of all freshman students.
SES 100: Introduction to Exploration (CS)	3	C	
SES 121: Earth, Solar System, and Universe I (SQ) AND SES 123: Earth, Solar System, and Universe Laboratory I	4	C	
SES 191: Exploring SESE	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	14		
Term 2 15 - 28 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
SES 122: Earth, Solar System, and Universe II AND SES 124: Earth, Solar System, and Universe Laboratory II	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 29 - 42 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
BIO 181: General Biology I (SQ)	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		
Minimum			

Term 4 43 - 58 Credit Hours Critical course signified by 	Hours	Grade	Notes
 BIO 182: General Biology II (SG)	4	C	
 MAT 267: Calculus for Engineers III (MA)	3	C	
GLG 321: Mineralogy	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	16		
Term 5 59 - 74 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division SESE elective for Astrobiology concentration	3	C	
PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Upper Division Elective	3		
Term hours subtotal:	16		
Term 6 75 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GLG 481: Geochemistry	3	C	
SES 311: Essentials of Astrobiology: Exploration for Life in the Universe	3	C	
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	16		
Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SES 410: Senior Exploration Project I	3	C	
 Upper Division SESE elective for Astrobiology concentration	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		
Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SES 411: Senior Exploration Project II	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

SESE electives for Astrobiology concentration

AST 321: Introduction to Planetary and Stellar Astrophysics (SQ)

BIO 320: Fundamentals of Ecology

BIO 340: General Genetics

BIO 345: Organic Evolution

GLG 404: Fundamentals of Planetary Geology

GLG 430: Paleontology

GLG 435: Sedimentology

GLG 460: Astrobiology

GLG 461: Geomicrobiology

GLG 485: Meteorites and Cosmochemistry

GLG 489: Field Geochemistry

GLG 490: Remote Sensing

GLG 494: Isotope Geochemistry

SES 350: Engineering Systems and Experimental Problem Solving

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Earth and Space Exploration (Astrophysics), BS

College of Liberal Arts and Sciences
Tempe campus
LASESABS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • LIA 101 or College specific equivalent First Year Seminar required of all freshman students.
SES 100: Introduction to Exploration (CS)	3	C	
SES 121: Earth, Solar System, and Universe I (SQ) AND SES 123: Earth, Solar System, and Universe Laboratory I	4	C	
SES 191: Exploring SESE	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	14		
Term 2 15 - 28 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
SES 122: Earth, Solar System, and Universe II AND SES 124: Earth, Solar System, and Universe Laboratory II	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 29 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 267: Calculus for Engineers III (MA)	3	C	
 PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Minimum			

Term 4 45 - 60 Credit Hours Critical course signified by 	Hours	Grade	Notes
 PHY 252: Physics III (SQ)	4	C	
 PHY 201: Mathematical Methods in Physics I (CS)	3	C	
AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ)	3	C	
CLAS Science and Society Elective	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	16		
Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AST 321: Introduction to Planetary and Stellar Astrophysics (SQ)	3	C	
MAT 275: Modern Differential Equations (MA)	3	C	
PHY 314: Quantum Physics I	3	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		
Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AST 421: Astrophysics I	3	C	Students are encouraged to take GLG 404, SES 311 or SES 350 for their Astrophysics major elective. However, there is the option to choose an elective in GLG, AST, SES, or PHY as long as the subject is relevant to Astrophysics and the course is upper division. Students should consult with a SESE advisor if they have questions about which courses would satisfy this requirement.
Upper Division SESE elective for Astrophysics concentration	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		
Term 7 91 - 106 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AST 422: Astrophysics II	3	C	
 SES 410: Senior Exploration Project I	3	C	
GLG 400: Earth and Space Exploration Colloquium	1	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	16		
Term 8 107 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ SES 411: Senior Exploration Project II	3	C
AST 498: Pro-Seminar	1	C
Upper Division Elective	4	
Complete 2 courses: Elective	6	
Term hours subtotal:		14

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

SESE electives for Astrophysics concentration

GLG 404: Fundamentals of Planetary Geology

SES 311: Essentials of Astrobiology: Exploration for Life in the Universe

SES 350: Engineering Systems and Experimental Problem Solving

GLG OR AST OR SES OR PHY Upper Division Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Earth and Space Exploration (Exploration Systems Design), BS

College of Liberal Arts and Sciences

Tempe campus
LASESESDBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 265: Calculus for Engineers I (MA)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • LIA 101 or College specific equivalent First Year Seminar required of all freshman students.
SES 100: Introduction to Exploration (CS)	3	C	
SES 121: Earth, Solar System, and Universe I (SQ) AND SES 123: Earth, Solar System, and Universe Laboratory I	4	C	
SES 191: Exploring SESE	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	14		
Term 2 15 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 266: Calculus for Engineers II (MA)	3	C	
 PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
SES 122: Earth, Solar System, and Universe II AND SES 124: Earth, Solar System, and Universe Laboratory II	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
Term 3 32 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
 MAT 267: Calculus for Engineers III (MA)	3	C	
 MAT 275: Modern Differential Equations (MA)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	13		

Term 4 45 - 59 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 114: General Chemistry for Engineers (SQ)	4	C	
 EEE 202: Circuits I	4	C	
 MAE 212: Engineering Mechanics	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	15		
Term 5 60 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SES 330: Practical Electronics and Instrumentation	4	C	
 SES 350: Engineering Systems and Experimental Problem Solving	3	C	
CLAS Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		
Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SES 405: Exploration Systems Engineering	3	C	
Upper Division SESE elective for Exploration Systems Design concentration	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		
Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SES 410: Senior Exploration Project I	3	C	
Complete 3 courses: Upper Division Elective	9		
Elective	3		
Term hours subtotal:	15		
Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SES 411: Senior Exploration Project II	3	C	
Complete 3 courses: Upper Division Elective	9		
Elective	3		
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

SESE elective for Exploration Systems
Design concentration

AST 321: Introduction to Planetary and
Stellar Astrophysics (SQ)

AST 322: Introduction to Galactic and
Extragalactic Astrophysics (SQ)

AST 494: Observing Instrumentation and
Data Analysis

GLG 321: Mineralogy

GLG 404: Fundamentals of Planetary
Geology

GLG 424: Petrology

GLG 490: Hydrology

SES 311: Essentials of Astrobiology:
Exploration for Life in the Universe

SES 494: Mobile Robotics: Design and
Control

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Earth and Space Exploration (Geological Sciences), BS

College of Liberal Arts and Sciences

Tempe campus
LASESGSBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
SES 100: Introduction to Exploration (CS)	3	C	
SES 121: Earth, Solar System, and Universe I (SQ) AND SES 123: Earth, Solar System, and Universe Laboratory I	4	C	
SES 191: Exploring SESE	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	14		
Term 2 15 - 28 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	
 MAT 265: Calculus for Engineers I (MA)	3	C	
SES 122: Earth, Solar System, and Universe II AND SES 124: Earth, Solar System, and Universe Laboratory II	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 29 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	
 MAT 266: Calculus for Engineers II (MA)	3	C	
GLG 310: Structural Geology	3	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Complete Mathematics (MA) requirement.			
 Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 45 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
 MAT 267: Calculus for Engineers III (MA)	3	C	
GLG 321: Mineralogy	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	16		
Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GLG OR SES Upper Division Elective	3	C	Students need two GLG branch courses (6 credits) and three upper division GLG or SES electives (9 credits). Electives may be chosen from the branch course list or students may take any other upper division GLG or SES courses offered by the School of Earth and Space Exploration, excluding GLG300 or GLG400.
PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
GLG 400: Earth and Space Exploration Colloquium	1	C	
Upper Division CLAS Science and Society Elective	3	C	
Elective	4		
Term hours subtotal:	15		
Term 6 76 - 87 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GLG 451: Field Geology I (L)	3	C	Students need two GLG branch courses (6 credits) and three upper division GLG or SES electives (9 credits). Electives may be chosen from the branch course list or students may take any other upper division GLG or SES courses offered by the School of Earth and Space Exploration, excluding GLG300 or GLG400.
 Upper Division GLG Branch Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	12		
Summer 6 88 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GLG 452: Field Geology II (L)	3	C	
Term hours subtotal:	3		
Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division GLG Branch Course	3	C	Students need two GLG branch courses (6 credits) and three upper division GLG or SES electives (9 credits). Electives may be chosen from the branch course list or students may take any other upper division GLG or SES courses offered by the School of Earth and Space Exploration, excluding GLG300 or GLG400.
 GLG OR SES Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		
Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ GLG OR SES Upper Division Elective	3	C	Students need two GLG branch courses (6 credits) and three upper division GLG or SES electives (9 credits). Electives may be chosen from the branch course list or students may take any other upper division GLG or SES courses offered by the School of Earth and Space Exploration, excluding GLG300 or GLG400.
Complete 3 courses: Upper Division Elective	9		
Complete 2 courses: Elective	3		
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Upper Division GLG Branch Courses

GLG 362: Geomorphology

GLG 418: Geophysics

GLG 424: Petrology

GLG 430: Paleontology

GLG 435: Sedimentology

GLG 481: Geochemistry

GLG 490: Hydrology

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Economics, BS

College of Liberal Arts and Sciences
Tempe campus
LAECNBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Mathematics (MA)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course. • LIA 101 or equivalent First Year Seminar is required of all freshman students. • Students with majors in Economics should not take MAT 142, since it is not a prerequisite for calculus. If a student plans to attend graduate school in Economics, MAT 270 is the preferred math rather than MAT 210.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences OR ECN 191: First-Year Seminar	1		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 210: Brief Calculus (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	• Students considering graduate school in Economics should select MAT 270 instead of MAT 210.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Cultural Diversity in the U.S. (C)	3		
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16-17		
Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	• Honors students who elect to take ECN 213 and ECN 214 in lieu of ECN 211 and
 MAT 211: Mathematics for Business Analysis OR MAT 271: Calculus with Analytic Geometry II (MA)	3-4	C	
Humanities, Arts and Design (HU)	3		

Literacy and Critical Inquiry (L)	3
Elective	3
Complete First-Year Composition requirement.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	15-16

ECN 212 must complete ECN 213 and ECN 214 by the end of term 4.

- Students considering graduate school in economics should select MAT 271 instead of MAT 211.

Term 4 46 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	• Honors students who elect to take ECN 213 and ECN 214 in lieu of ECN 211 and ECN 212 must complete ECN 213 and ECN 214 by the end of term 4.
 ECN 221: Business Statistics (CS) or STP 226: Elements of Statistics (CS)	3	C	
CLAS Science and Society Elective	3	C	
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ECN 312: Intermediate Microeconomic Theory (SB)	3	C	• Students with credit for ECN 214 should not take ECN 312. Replace that course with an additional ECN upper-division elective (SB).
ECN Upper Division Elective	3	C	
Upper Division Related Area Course	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ECN 313: Intermediate Macroeconomic Theory (SB)	3	C	• Students with credit for ECN 213 should not take ECN 313. Replace that course with an additional ECN upper-division elective.
ECN 4** Elective	3	C	
ECN Upper Division Elective	3	C	
Upper Division Related Area Course	3	C	
Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ECN 4** Elective	3	C	
ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Minimum

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Grade	Notes
★	ECN 475: Capstone in Economics (L)		3	C	
	Complete 3 courses: Upper Division Elective		9		
	Elective		3		
	Term hours subtotal:		15		

- A list of approved related area courses is available at <http://wpcarey.asu.edu/economics-degrees/clas/approved-courses>. Students must earn a C or better in the courses.

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
English, BA**

College of Liberal Arts and Sciences

Online

LAENGBA

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101: The ASU Experience	1		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	7		

Term 1 - B 8 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		

Term 2 - A 15 - 21 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
MAT 142: College Mathematics (MA)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		

Term 2 - B 22 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
Complete First-Year Composition requirement.			
Term hours subtotal:	8		

Term 3 - A 30 - 36 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		
Term 3 - B 37 - 43 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
⚠ Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		
Term 4 - A 44 - 49 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ENG Elective	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Term hours subtotal:	6		
Term 4 - B 50 - 55 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ Complete 2 courses: ENG Elective	6	C	
Term hours subtotal:	6		
Term 5 - A 56 - 61 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG Elective	3	C	
Historical Awareness (H)	3		
Term hours subtotal:	6		
Term 5 - B 62 - 67 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG Upper Division Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		
Term 6 - A 68 - 73 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG course (HU)	6	C	
Term hours subtotal:	6		
Term 6 - B 74 - 79 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses:			

ENG Upper Division Elective	6	C	
Term hours subtotal:	6		
Term 7 - A 80 - 85 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	6		
Term 7 - B 86 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: ENG Upper Division Elective	6	C	
Term hours subtotal:	6		
Term 8 - A 92 - 97 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division ENG course (L)	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		
Term 8 - B 98 - 103 Credit Hours	Hours	Minimum Grade	Notes
ENG Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		
Term 9 - A 104 - 109 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		
Term 9 - B 110 - 115 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		
Term 10 - A 116 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	2		
Term hours subtotal:	5		

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend**General Studies Core Requirements:**

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map English (Creative Writing), BA

College of Liberal Arts and Sciences

Tempe campus
LAENGCBBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
ENG 191: First-Year Seminar	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• 3.0 GPA in English courses beyond first-year composition courses required
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
Historical Awareness (H)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	• 3.0 in English courses beyond first-year composition courses required
 ENG 287: Beginning Creative Writing Workshop in Poetry OR ENG 288: Beginning Creative Writing Workshop in Fiction	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 45 - 60 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ ENG 287: Beginning Creative Writing Workshop in Poetry OR ENG 288: Beginning Creative Writing Workshop in Fiction	3	C	3.0 GPA in English courses beyond first-year composition courses required - A current list of American Literature courses is available at: http://english.clas.asu.edu/uprograms
American Literature - 200 level or above	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:	16		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 387: Intermediate Creative Writing Workshop in Poetry: Form, Theory, and Practice or ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice	3	C	3.0 GPA in English courses beyond first-year composition courses required - A current list of American Literature courses is available at: http://english.clas.asu.edu/uprograms
American Literature - 200 level or above	3	C	
3** Literary Study AND Upper Division Literacy and Critical Inquiry (L)	3	C	
Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	3		
Milestone: Completion of successful portfolio review			
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 487: Advanced Creative Writing Workshop in Poetry or ENG 488: Advanced Creative Writing Workshop in Fiction	3	B	3.25 GPA in English courses beyond first-year composition courses required - A current list of upper division literature courses is available at: http://english.clas.asu.edu/uprograms
3** Literary Study AND Upper Division Humanities, Arts and Design (HU)	3	C	
Literacy and Critical Inquiry (L)	3		
Global Awareness (G)	3		
Upper Division Elective	3		
Minimum 3.25 GPA in ENG.			
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 498: Capstone Fiction, Pro-Seminar or ENG 498: Capstone Poetry, Pro-Seminar	3	B	3.25 GPA in English courses beyond first-year composition courses required - A current list of upper division literature courses is available at: http://english.clas.asu.edu/uprograms
4** Literary Study Course	3	C	
Complete 2 courses: ENG Upper Division Elective	6	C	
Upper Division Elective	3		
Minimum 3.25 GPA in ENG.			
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by	Minimum

★	Hours	Grade	Notes
★ 4** Literary Study Course	3	C	• 3.25 GPA in English courses beyond first-year composition courses required. • A current list of upper division literature courses is available at: http://english.clas.asu.edu/uprograms
Upper Division ENG course (HU)	3	C	
Complete 2 courses: Upper Division Elective	6		
Elective	3		
Minimum 3.25 GPA in ENG.			
Term hours subtotal:		15	

- For a list of courses that fill the requirements in American literature, 3** literary study, and 4** literary study, please go to <http://english.clas.asu.edu/uprograms>.

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.25 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map English (Linguistics), BA

College of Liberal Arts and Sciences

Tempe campus
LAENG NBA

Term 1 0 - 14 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
ENG 191: First-Year Seminar		1		
MAT 142: College Mathematics (MA)		3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
Social-Behavioral Sciences (SB)		3		
Term hours subtotal:		14		
Term 2 15 - 30 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Computer/Statistics/Quantitative Applications (CS)		3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
Social-Behavioral Sciences (SB)		3		
Historical Awareness (H)		3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Maintain 2.00 GPA in Major Courses.				
Term hours subtotal:		16		
Term 3 31 - 44 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)		3	C	
 ENG 213: Introduction to the Study of Language OR SLC 201: Introduction to Linguistics (HU or SB)		3	C	
Natural Science - Quantitative (SQ)		4		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
 Complete Mathematics (MA) requirement.				
Maintain 2.00 GPA in Major Courses.				

Term hours subtotal: 14

Term 4 45 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 312: English in its Social Setting (L or HU or SB) OR ENG 313: Phonology and Morphology OR ENG 314: Modern Grammar	3	C	
ENG 221: Survey of English Literature (HU) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 (HU) OR ENG 242: Literatures of the United States, 1860 to Present (HU)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	2		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	16		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ENG 312: English in its Social Setting (L or HU or SB) OR ENG 313: Phonology and Morphology OR ENG 314: Modern Grammar	3	C	A minimum of 18 upper division hours is required in the major, 12 of which must be taken in courses offered by the College of Liberal Arts and Sciences.
ENG Elective	3	C	
Course taught in a language other than English beyond the 202 level (greater than 314 for POR or ROM) OR introductory course in a third language (not English)	3	C	
Global Awareness (G)	3		
Upper Division Elective	3		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ENG 312: English in its Social Setting (L or HU or SB) OR ENG 313: Phonology and Morphology OR ENG 314: Modern Grammar	3	C	A minimum of 18 upper division hours is required in the major, 12 of which must be taken in courses offered by the College of Liberal Arts and Sciences.
 ENG 404: Studies in Second Language Acquisition OR ENG 414: Studies in Linguistics	3	C	
ENG 413: History of English Language (HU)	3	C	
Complete 2 courses: Upper Division Elective	6		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ENG 404: Studies in Second Language Acquisition OR ENG 414: Studies in Linguistics	3	C	A minimum of 18 upper division hours is required in the major, 12 of which
Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	3		
Complete 2 courses:			

Elective	6			must be taken in courses offered by the College of Liberal Arts and Sciences.
Maintain 2.00 GPA in Major Courses.				
Term hours subtotal:		15		

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	ENG 404: Studies in Second Language Acquisition OR ENG 414: Studies in Linguistics		3	C	A minimum of 18 upper division hours is required in the major, 12 of which must be taken in courses offered by the College of Liberal Arts and Sciences.
	Complete 2 courses: ENG Upper Division Elective		6	C	
	Complete 2 courses: Upper Division Elective		6		
	Maintain 2.00 GPA in Major Courses.				
Term hours subtotal:			15		

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map English (Literature), BA

College of Liberal Arts and Sciences

Tempe campus
LAENGTTBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
ENG 191: First-Year Seminar	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	16		

Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	
ENG course (HU)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Maintain 2.00 GPA in Major Courses.			

Term hours subtotal: 14

Term 4 45 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Literature Areas and Periods Courses	3	C	For a current list of literature area and periods courses, go to: http://english.clas.asu.edu/uprograms
ENG course (HU)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	2		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	16		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Literature Areas and Periods Courses	3	C	For a current list of literature area and periods courses, go to: http://english.clas.asu.edu/uprograms
Upper Division ENG course (HU)	3	C	
Complete 2 courses: ENG Elective	6	C	
Cultural Diversity in the U.S. (C)	3	C	
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division ENG course (L)	3	C	For a current list of literature area and periods courses, go to: http://english.clas.asu.edu/uprograms
ENG Upper Division Elective	3	C	
Global Awareness (G)	3		
Complete 2 courses: Upper Division Elective	6		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 4** Literature Areas and Periods Courses	3	C	For a current list of literature area and periods courses, go to: http://english.clas.asu.edu/uprograms
ENG Upper Division Elective	3	C	
Complete 3 courses: Upper Division Elective	9		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 4** Literature Areas and Periods Courses	3	C	

Complete 2 courses: ENG Upper Division Elective	6	C
Complete 2 courses: Upper Division Elective	6	
Maintain 2.00 GPA in Major Courses.		
Term hours subtotal:	15	

- For a current list of literature area and periods courses, go to:
<http://english.clas.asu.edu/uprograms>

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- For a list of current Area and Period courses, please refer to: <http://english.clas.asu.edu/uprograms>

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map English (Secondary Education), BA

College of Liberal Arts and Sciences

Tempe campus
LAENGSEBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
ENG 191: First-Year Seminar or LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
EDT 180: Problem Solving using Digital Technology Applications (CS)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 BLE 220: Foundations of Structured English Immersion	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	
Complete 2 courses: ENG 221: A Survey of Monsters & Magic in Eng Lit to 1800 (HU) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 (HU) OR ENG 242: Literatures of the United States, 1860 to Present (HU)	6	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Minimum 2.50 GPA ASU Cumulative.			

❗ Complete Mathematics (MA) requirement.

❗ Milestone: Must meet with an MLFTC advisor.

❗ Milestone: Complete online intent to progress form.

Term hours subtotal: 17

Term 4 48 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ ENG 213: Introduction to the Study of Language	3	C	
ENG 215: Strategies of Academic Writing (L) OR ❗ ENG 216: Persuasive Writing on Public Issues (L) OR ENG 217: Writing Reflective Essays (L) OR ENG 311: Persuasive Writing (L)	3	C	
Complete 2 courses: ENG 221: A Survey of Monsters & Magic in Eng Lit to 1800 (HU) OR ENG 222: Survey of English Literature (HU & H) OR ENG 241: Literatures of the United States to 1860 (HU) OR ENG 242: Literatures of the United States, 1860 to Present (HU)	6	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
❗ Minimum 2.50 GPA ASU Cumulative.			
❗ Milestone: Submit DPS fingerprint clearance card to Mary Lou Fulton Teachers College.			
❗ Milestone: Must attend iTeachAZ orientation the semester prior to starting field experience.			
Term hours subtotal:	16		

Term 5 64 - 80 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 396: Clinical Experience I	1	Y	
★ ENG 312: English in its Social Setting (L or HU or SB) OR ★ ENG 314: Modern Grammar OR ★ ENG 323: Rhetoric and Grammar (L)	3	C	
★ ENG 485: Digital Tools	3	C	
★ RDG 323: Literacy Processes in Content Areas	3	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 6 81 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 397: Clinical Experience II	1	Y	
★ ENG 471: Literature for Young Adults (HU)	3	C	
★ BLE 407: SEI for Secondary Students	3	C	
★ ENG 480: Methods of Teaching English: Composition (L)	3	C	
★ ENG 489: Culturally Sustaining Pedagogy	3	C	

★ SPE 417: Inclusion Practices at the Secondary Level	3	C
★ Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

Term 7 97 - 112 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Ethnic or Women's Literature	3	C	All degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching.
★ SED 496: Clinical Experience III	1	Y	
★ ENG 421: Studies in Shakespeare (HU) OR ENG 422: Special Topics in Shakespeare (HU) OR ENG 321: Shakespeare (L or HU)	3	C	
★ ENG 482: Methods of Teaching English: Language (L)	3	C	
★ ENG 486: Teaching Text	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 8 113 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching in the Secondary School	8	Y	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	8		

Ethnic or Women's Literature

ENG 333: American Ethnic Literature ((L or HU) & C)

ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)

ENG 359: Indigenous American Literature ((L or HU) & C)

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)

ENG 364: Women and Literature (HU)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Family and Human Development, BS**

College of Liberal Arts and Sciences

LAFASBS

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 FAS 101: Personal Growth in Human Relationships (SB) OR CDE 232: Human Development (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • Please note that students receiving scholarships must complete 15 credits each semester. Thus, scholarship students are advised to add hours to terms with less than 15 credits recommended on the major map. • This degree requires completion of MAT 142 with a grade of C or better. Transfer students who have not completed a math course directly equivalent to an ASU course meeting the requirement will be required to take an additional math course.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FAS 191: First-Year Seminar	1		
MAT 142: College Mathematics (MA)	3	C	
PSY OR SOC Elective	3	C	
Term hours subtotal:	13		
Term 2 14 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 FAS 101: Personal Growth in Human Relationships (SB) OR CDE 232: Human Development (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
FAS 331: Marriage and Family Relationships (SB)	3	C	
FAS Elective	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 46 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 STP 226: Elements of Statistics (CS) OR PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS) OR STP 220: Conceptual Statistics	3	C	
FAS 370: Family Ethnic and Cultural Diversity (SB & C)	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 FAS 361: Research Methods (L or SB)	3	C	
PSY OR SOC Elective	3	C	
CLAS Science and Society Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division FAS OR CDE Elective	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division FAS OR CDE Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Complete 2 courses: Elective	6		

Term hours subtotal: 15

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	Upper Division FAS OR CDE Elective		3	C	
	Complete 2 courses: Upper Division Elective		6		
	Complete 2 courses: Elective		6		
Term hours subtotal:			15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

FAS Electives

FAS 264: Gender and Society (SB & C)

FAS 294: Special Topics

FAS 301: Introduction to Parenting

FAS 324: Work and the Workplace (SB & H)

FAS 332: Human Sexuality (SB)

FAS 360: Black Families in the Diaspora (SB & C)

FAS 390: Supervised Research Experience

FAS 435: Advanced Marriage and Family Relationships (L or SB)

FAS 484: Internship

FAS 492: Honors Directed Study

FAS 493: Honors Thesis (L)

FAS 498: Pro-Seminar

FAS 499: Individualized Instruction

CDE Electives

CDE 312: Adolescence (SB)

CDE 337: Early Childhood Intervention

CDE 338: Child Development Practicum

CDE 394: Special Topics

CDE 430: Infant/Toddler Development in the Family (SB)

CDE 499: Individualized Instruction

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Family and Human Development, BS

College of Liberal Arts and Sciences
Online
LAFASBS

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR FAS 101: Personal Growth in Human Relationships (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 8 - 13 Credit Hours	Hours	Minimum Grade	Notes
PSY OR SOC Elective	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	6		
Term 2 - A 14 - 19 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR FAS 101: Personal Growth in Human Relationships (SB)	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		
Term 2 - B 20 - 25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	• This degree requires completion of MAT 142 with a grade of C or better. Transfer students who have not completed a math course directly equivalent to an ASU course meeting the requirement will be required to take an additional math course.
Global Awareness (G)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A	26 - 32 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	FAS 331: Marriage and Family Relationships (SB)		3	C	
	Natural Science - Quantitative (SQ)		4		
	Term hours subtotal:		7		
Term 3 - B	33 - 38 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS)		3	C	
	Historical Awareness (H)		3		
	Complete Mathematics (MA) requirement.				
	Complete First-Year Composition requirement.				
	Term hours subtotal:		6		
Term 4 - A	39 - 44 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	FAS 370: Family Ethnic and Cultural Diversity (SB & C)		3	C	
	Humanities, Arts and Design (HU)		3		
	Term hours subtotal:		6		
Term 4 - B	45 - 50 Credit Hours		Hours	Minimum Grade	Notes
	FAS Elective		3	C	
	Elective		3		
	Term hours subtotal:		6		
Term 5 - A	51 - 56 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes
	FAS 361: Research Methods (L or SB) OR SOC 391: Research Methods (L or SB)		3	C	• Use FAS 361 or SOC 391 for Literacy and Critical Inquiry, not SB.
	PSY OR SOC Elective		3	C	
	Term hours subtotal:		6		
Term 5 - B	57 - 63 Credit Hours		Hours	Minimum Grade	Notes
	Natural Science - Quantitative (SQ) OR Natural Science - General (SG)		4		
	Elective		3		
	Term hours subtotal:		7		
Term 6 - A	64 - 69 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes
	CDE OR FAS Upper Division Elective		3	C	
	Literacy and Critical Inquiry (L)		3		
	Term hours subtotal:		6		

Term 6 - B 70 - 75 Credit Hours	Hours	Minimum Grade	Notes
CLAS Science and Society Elective	3	C	
Elective	3		
Term hours subtotal:	6		
Term 7 - A 76 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CDE OR FAS Upper Division Elective	3	C	
Elective	3		
Term hours subtotal:	6		
Term 7 - B 82 - 87 Credit Hours	Hours	Minimum Grade	Notes
Upper Division CLAS Science and Society Elective	3	C	
Elective	3		
Term hours subtotal:	6		
Term 8 - A 88 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CDE OR FAS Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		
Term 8 - B 94 - 99 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Elective	6		
Term hours subtotal:	6		
Term 9 - A 100 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		
Term 9 - B 106 - 111 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		
Term 10 - A 112 - 117 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		

Term 10 - B	118 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	Upper Division Elective		3		
Term hours subtotal:			3		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.50 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Film (Film and Media Studies), BA
 College of Liberal Arts and Sciences
 LAFMSBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 FMS 100: Introduction to Film (HU)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FMS 191: First-Year Seminar	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 FMS 200: Film History ((L or HU)& H)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 FMS 110: Introduction to New Media (L or HU) OR FMS 270: Race and Gender in American Film (HU & C) OR FMP 261: Introduction to Screenwriting or FMS 209: Screenwriting Fundamentals	3	C	• While students will take both FMS 110 and FMS 270 over terms 3 and 4, they will choose either FMP 261 or FMS 209 for the third course.
FMP 201: Film: The Creative Process I (HU)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB)	3		
Elective	2		

❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

Maintain 2.50 GPA in Critical Tracking Courses.

Term hours subtotal: 15

Term 4	46 - 59 Credit Hours	Critical course signified by ❗	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i> ❗ FMS 110: Introduction to New Media (L or HU) OR ❗ FMS 270: Race and Gender in American Film (HU & C) OR FMP 261: Introduction to Screenwriting or FMS 209: Screenwriting Fundamentals			6	C	• While students will take both FMS 110 and FMS 270 over terms 3 and 4, they will choose either FMP 261 or FMS 209 for the third course.
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.			4	C	
Natural Science - Quantitative (SQ)			4		
Maintain 2.50 GPA in Critical Tracking Courses.					
Term hours subtotal:			14		

Term 5	60 - 74 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FMS 300: Television and Cultural Studies (L or HU)			3	C	• Students must complete one course from each of the four areas of emphasis.
<i>Complete 2 courses:</i> Upper Division Major Emphasis Areas			6	C	
Social-Behavioral Sciences (SB)			3		
Upper Division Elective			3		
Term hours subtotal:			15		

Term 6	75 - 90 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★ <i>Complete 2 courses:</i> FMS Upper Division Elective			6	C	• Students must complete one course from each of the four areas of emphasis.
Upper Division Major Emphasis Areas AND Upper Division Humanities, Arts and Design (HU)			3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)			4		
Upper Division Elective			3		
Term hours subtotal:			16		

Term 7	91 - 105 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FMS 4** Elective			3	C	• Students must complete one course from each of the four areas of emphasis.
Upper Division Major Emphasis Areas			3	C	
Global Awareness (G)			3		
<i>Complete 2 courses:</i> Upper Division Elective			6		
Term hours subtotal:			15		

Term 8	106 - 120 Credit Hours		Hours	Minimum Grade	Notes

Upper Division Major Emphasis Areas	3	C	• Students must complete one course from each of the four areas of emphasis.
Complete 2 courses: Upper Division Elective	6		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

- Students must take one course from each of four emphasis areas in the major. For information about the courses students may use to fill the various emphasis areas, please go to <http://english.clas.asu.edu/uprograms>.

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.
- There is room in this Major Map to add a concurrent degree, a minor, a certificate, an internship or to study abroad.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Film (Film and Media Studies), BA**

College of Liberal Arts and Sciences
Online
LAFMSBA

Term 1 - A 1 - 7 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101: The ASU Experience		1		
FMS 100: Introduction to Film (HU)		3	C	
Term hours subtotal:		7		
Term 1 - B 8 - 14 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		7		
Term 2 - A 15 - 21 Credit Hours		Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)		3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
Term hours subtotal:		7		
Term 2 - B 22 - 28 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 FMS 200: Film History ((L or HU) & H)		3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
Complete First-Year Composition requirement.				
Term hours subtotal:		7		

Term 3 - A	29 - 36 Credit Hours	Hours	Minimum Grade	Notes
	Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
	Natural Science - Quantitative (SQ)	4		
	Term hours subtotal:	8		
Term 3 - B	37 - 42 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠	FMS 110: Introduction to New Media (L or HU) OR FMS 209: Screenwriting Fundamentals OR FMS 270: Race and Gender in American Film (HU & C)	3	C	
	FMP 201: Film: The Creative Process I (HU)	3	C	
⚠	Complete Mathematics (MA) requirement.			
	Term hours subtotal:	6		
Term 4 - A	43 - 48 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠	FMS 110: Introduction to New Media (L or HU) OR FMS 209: Screenwriting Fundamentals OR FMS 270: Race and Gender in American Film (HU & C)	3	C	
	Social-Behavioral Sciences (SB)	3		
	Term hours subtotal:	6		
Term 4 - B	49 - 54 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠	FMS 110: Introduction to New Media (L or HU) OR FMS 209: Screenwriting Fundamentals OR FMS 270: Race and Gender in American Film (HU & C)	3	C	
	Social-Behavioral Sciences (SB)	3		
	Term hours subtotal:	6		
Term 5 - A	55 - 60 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	FMS 300: Television and Cultural Studies (L or HU)	3	C	
	Computer/Statistics/Quantitative Applications (CS)	3		
	Term hours subtotal:	6		
Term 5 - B	61 - 67 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	Upper Division Major Emphasis Area	3	C	
	Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
	Term hours subtotal:	7		
Term 6 - A	68 - 73 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	Upper Division Major Emphasis Area	3	C	
	Elective	3		

Term hours subtotal: 6

Term 6 - B	74 - 79 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

★ Upper Division Major Emphasis Area AND Upper Division Humanities, Arts and Design (HU)	3	C	

Elective	3		

Term hours subtotal: 6

Term 7 - A	80 - 85 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

★ Upper Division Major Emphasis Area	3	C	

Elective	3		

Term hours subtotal: 6

Term 7 - B	86 - 91 Credit Hours		Hours	Minimum Grade	Notes

Global Awareness (G)	3		

Upper Division Elective	3		

Term hours subtotal: 6

Term 8 - A	92 - 97 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

★ FMS Upper Division Elective	3	C	

Upper Division Elective	3		

Term hours subtotal: 6

Term 8 - B	98 - 103 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

★ Upper Division Major Emphasis Area	3	C	

Upper Division Elective	3		

Term hours subtotal: 6

Term 9 - A	104 - 109 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

★ FMS Upper Division Elective	3	C	

Upper Division Elective	3		

Term hours subtotal: 6

Term 9 - B	110 - 115 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

★ FMS 4** Elective	3	C	

Upper Division Elective	3		

Term hours subtotal: 6

Term 10 - A	116 - 118 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

Term hours subtotal: 3

Term 10 - B 119 - 120 Credit Hours	Hours	Minimum Grade	Notes

Elective	2		

Term hours subtotal: 2

- All FMS majors are required to take one course from each of four emphasis areas. For information regarding the courses that fill each emphasis area please go to <http://english.clas.asu.edu/film-ba-online>. Courses that are designated simply as FMS electives or FMS 400 level electives can be taken from the larger offering of FMS courses.

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
French, BA**

College of Liberal Arts and Sciences

Tempe campus

LAFREBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 FRE 101: Elementary French (G)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific First Year Seminar required of all freshman students. • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
SLC 191: First-Year Seminar	1		
Social-Behavioral Sciences (SB)	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 FRE 102: Elementary French (G)	4	C	• Start planning your study abroad experience. Learn about faculty-directed summer programs offered through the School of International Letters and Cultures. • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 FRE 201: Intermediate French I (G)	4	C	• Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
 SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		

Elective	2
❗ Complete First-Year Composition requirement.	
❗ Complete Mathematics (MA) requirement.	
Maintain 2.33 GPA in Critical Tracking Courses.	
Term hours subtotal:	16

Term 4 47 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ FRE 202: Intermediate French II (G)	4	C	Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
❗ SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
Related Area Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FRE 305: Readings in French Literature (G)	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
★ FRE 311: Oral and Written Expression I (G)	3	C	
Related Area Course	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FRE 312: Oral and Written Expression II (G)	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
FRE Upper Division Elective	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ FRE 321: French Literature ((L or HU)& H)	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
★ Complete 2 courses: FRE 4** Elective	6	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SLC 491: Crossing Languages and Cultures	3	C	

★ FRE 322: French Literature (L or HU)	3	C
4** FRE course (HU)	6	C
Upper Division Elective	3	
Term hours subtotal:		15

- Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.

Related Area Course

ARB OR BCS OR CHI OR ITA OR GER
OR GRK OR HEB OR HIN OR JPN OR
KOR OR LAT OR MAK OR PLC OR
POR OR ROM OR RUS OR SLC OR
SLV OR SPA OR THA OR VTN Elective

ASB 480: Principles of Linguistics (SB)

ASB 481: Language and Culture (SB)

ASB 483: Sociolinguistics and the
Ethnography of Communication (SB)

APH 300: World Architecture I/Western
Cultures (HU & H & G)

APH 336: 20th-Century Architecture I
(HU)

APH 337: 20th-Century Architecture II
(HU)

ARS 101: Art from Prehistory Through
Middle Ages (HU & H)

ARS 102: Art from Renaissance to
Present (HU & H)

ARS 410: Early Christian and Byzantine
Art (HU)

ARS 412: Early Medieval Art (HU)

ARS 416: Gothic Art (HU & H)

ARS 434: Art and Visual Culture of 19th
Century (HU)

ARS 436: The Artist, War, and
Revolution (Versailles to Vietnam) (HU)

ARS 438: Art of the 20th Century I (HU
& H)

ARS 439: Art of the 20th Century II (HU
& H)

COM 263: Elements of Intercultural
Communication (SB & C & G)

COM 371: Language, Culture, and
Communication (SB & C & G)

DCE 300: Moving Histories (HU)

DCE 402: Ethnography of Dance
Practices ((L or HU) & G)

ENG 201: World Literature (HU & H &
G)

ENG 202: World Literature (HU & H)

ENG 213: Introduction to the Study of
Language

GCU 121: World Geography (SB & G)

GCU 253: Introduction to Cultural and
Historical Geography (SB & G)

GCU 325: Geography of Europe (SB &
G)

GCU 359: Cities of the World I (SB & G
& H)

GCU 360: Cities of the World II (SB & G)

HST 101: Global History Since 1500 (HU
& H & G)

HST 102: Western Civilization: Ancient
and Medieval Europe (SB & H)

HST 103: Western Civilization:
Renaissance to Enlightenment ((HU or
SB) & H)

HST 104: Western Civilization: French
Revolution to European Union ((HU or
SB) & G & H)

HST 304: Studies in European History
(SB & H)

HST 349: Early Middle Ages ((HU or SB)
& H)

HST 350: Later Middle Ages ((HU or SB)
& H)

HST 351: Renaissance Europe ((L or HU
or SB) & H)

HST 352: Europe's Reformations ((L or
HU or SB) & H)

HST 353: Old Regime in Europe (SB &
H)

HST 354: Revolutionary Europe (SB &
H)

HST 355: Total War and the Crisis of
Modernity (SB & G & H)

HST 356: Europe since 1945 (SB & G &
H)

HST 368: Culture and Imagination in
European History (HU & H)

HST 427: French Revolution/Napoleonic
Era (SB & H)

HST 428: Modern France (SB & G & H)

HST 465: Women in Europe, 1750 to
Present ((L or HU or SB) & H)

JUS 415: Gender and International
Development (L & G)

MHL 344: Music in World Cultures (HU
& G)

PHI 329: History of Modern Philosophy
(HU & H)

PHI 331: Philosophy of Language (HU)

PHI 401: Rationalism

PHI 402: Empiricism (HU)

POS 150: Comparative Government (SB
& G)

POS 160: Global Politics (SB & G)

POS 260: Current Issues in International Politics ((L or SB) & G)

POS 340: History of Political Philosophy I (HU & H)

POS 341: History of Political Philosophy II (HU & H)

POS 356: European Union (SB & G)

POS 360: World Politics (SB & G)

POS 465: International Organization and Law (SB & G)

POS 467: International Security (SB & G)

POS 486: International Political Economy (SB & G)

REL 100: Religions of the World (HU & G)

REL 201: Religion and the Modern World (L or HU)

REL 203: Saints and Sinners: Explorations in Sacred Biography (HU & H)

REL 270: Introduction to Christianity (HU)

REL 372: Formation of the Christian Tradition (HU & H)

REL 385: Contemporary Western Religious Thought (HU)

REL 470: Religion in the Middle Ages (HU & H)

REL 471: Reformation and Modern Christianity (HU & H)

SGS 101: Thinking Globally: The Individual and Authority (SB)

SGS 203: Contemporary Global Trends (SB & G)

THE 404: World Cinema (G)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Geographic Information Science, BS

College of Liberal Arts and Sciences

Tempe campus
LAGISBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	• An SAT, ACT, Accuplacer or TOEFL score determines placement into first-year composition courses. • ASU Math Placement exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all Freshmen.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Major Related Course	3-4	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16-17		
Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	
 GIS 211: Geographic Information Science I (CS)	4	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 47 - 62 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GIS 220: Mathematical Principles in GIS	3	C	
 GIS 311: Geographic Information Science II (CS)	4	C	
 GIS 321: Programming Principles in GIS	3	C	
 MAT 243: Discrete Mathematical Structures	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	16		
Term 5 63 - 79 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CSE 240: Introduction to Programming Languages	3	C	
 GIS 470: Statistics for Geographers (CS)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	4		
Term hours subtotal:	17		
Term 6 80 - 94 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GIS 322: Spatial Data Structures and Algorithms	3	C	
 GIS 471: Geographic Information Analysis	3	C	
GIS 412: Spatial Decision Support Systems OR GIS 431: Spatial Databases OR GIS 441: Geographics: Interactive and Animated Cartography and Geovisualization (CS) OR GIS 462: Location Analysis and Modeling OR GIS 472: Spatial Regression Analysis	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Elective	3		
Term hours subtotal:	15		
Term 7 95 - 109 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CSE 310: Data Structures and Algorithms	3	C	
 GIS 461: Optimization Fundamentals for Spatial Analysis	3	C	
GIS 412: Spatial Decision Support Systems OR GIS 431: Spatial Databases OR  GIS 441: Geographics: Interactive and Animated Cartography and Geovisualization (CS) OR GIS 462: Location Analysis and Modeling OR GIS 472: Spatial Regression Analysis	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 8	110 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	CSE 460: Software Analysis and Design OR CSE 463: Introduction to Human Computer Interaction OR CSE 470: Computer Graphics OR CSE 471: Introduction to Artificial Intelligence		3	C	
	Upper Division Literacy and Critical Inquiry (L)		3		
	Social-Behavioral Sciences (SB) AND Global Awareness (G)		3		
	Upper Division Elective		2		
	Term hours subtotal:		11		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Major Related Course
GCU 102: Introduction to Human Geography (SB & G)
GIS 201: Spatial Thinking
GIS 205: Geographic Information Technologies (CS)
GPH 111: Introduction to Physical Geography (SQ)
PUP 190: Sustainable Cities ((HU or SB) & G)
GCU Upper Division Elective
GPH Upper Division Elective
PUP Upper Division Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Geography, BA

College of Liberal Arts and Sciences
Tempe campus
LAGCUBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	14		

Term 2 15 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GPH 111: Introduction to Physical Geography (SQ)	4	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GPH 111: Introduction to Physical Geography (SQ)	4	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Literacy and Critical Inquiry (L)	3		
Elective	4		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 47 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GPH 111: Introduction to Physical Geography (SQ)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	14		
Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Regional Course	3	C	
GCU OR GIS OR GPH OR PUP Elective	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		
Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GIS 205: Geographic Information Technologies (CS)	3	C	
 Topical Course	3	C	
GCU OR GIS OR GPH OR PUP Upper Division Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		
Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Regional Course	3	C	
 Topical Course	3	C	
GCU OR GIS OR GPH OR PUP Upper Division Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		
Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GCU 496: Geographic Research Methods (L)	3	C	
 GIS 341: Introduction to Cartography and Georepresentation (CS) OR GPH 491: Geographic Field Methods OR GIS 470: Statistics for Geographers (CS)	3	C	
GCU OR GIS OR GPH OR PUP Upper Division Elective	3	C	

Term hours subtotal: 15

Regional Courses

GCU 322: Geography of U.S. and Canada
(SB & C)

GCU 323: Geography of Latin America
(SB & G)

GCU 325: Geography of Europe (SB &
G)

GCU 328: Geography of Middle East and
North Africa (SB & G)

GCU 332: Geography of Australia and
Oceania (SB & G)

GCU 344: Geography of Hispanic
Americans (SB & C)

GCU 421: Geography of Arizona and
Southwestern United States (SB & C)

GCU 424: Geography of Mexico and
Middle America (SB & G)

GCU 425: Geography of the Mexican
American Borderland ((L or SB) & G)

GCU 426: Geography of Russia and
Surroundings (SB & G)

GCU 432: Geography of China (SB & G)

GCU 433: Geography of Southeast Asia

GPH 433: Alpine and Arctic
Environments (G)

Topical Courses

GCU 241: The Global Economy in
Transition (SB & G)

GCU 253: Introduction to Cultural and
Historical Geography (SB & G)

GCU 350: The Geography of World
Crises (SB & G)

GCU 351: Population Geography (SB &
G)

GCU 357: Social Geography (SB)

GCU 359: Cities of the World I (SB & G
& H)

GCU 360: Cities of the World II (SB & G)

GCU 361: Urban Geography (SB)

GCU 364: Energy in the Global Arena
(SB & G)

GCU 414: Teaching Geography Standards

GCU 441: Economic Geography (SB)

GCU 442: Geographical Analysis of
Transportation (SB)

GCU 474: Public Land Policy (SB)

GPH 210: Society and Environment (G)

GPH 314: Global Change (HU & G)

GPH 381: Geography of Natural
Resources (G)

GPH 405: Energy and Environment

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Geography, BS

College of Liberal Arts and Sciences
Tempe campus
LAGCUBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 142: College Mathematics (MA)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses: Elective	5		
Term hours subtotal:	15		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GPH 111: Introduction to Physical Geography (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses: Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GPH 111: Introduction to Physical Geography (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Elective	6		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GPH 111: Introduction to Physical Geography (SQ)	3	C	
GCU OR GIS OR GPH OR PUP Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
Term hours subtotal:	16		
Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIS 205: Geographic Information Technologies (CS)	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		
Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Technique Course	3	C	
Topical Course	3	C	
GCU OR GIS OR GPH OR PUP Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		
Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIS 470: Statistics for Geographers (CS)	3	C	
★ Upper Division Technique Course	3	C	
GCU OR GPH OR PUP Upper Division Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		
Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GCU 496: Geographic Research Methods (L)	3	C	
Topical Course	3	C	
GCU OR GPH OR PUP Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	12		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Topical Courses

GCU 241: The Global Economy in Transition (SB & G)

GCU 350: The Geography of World Crises (SB & G)

GCU 351: Population Geography (SB & G)

GCU 361: Urban Geography (SB)

GCU 364: Energy in the Global Arena (SB & G)

GCU 414: Teaching Geography Standards

GCU 441: Economic Geography (SB)

GCU 474: Public Land Policy (SB)

GPH 210: Society and Environment (G)

GPH 211: Landform Processes (SQ)

GPH 212: Introduction to Meteorology (SQ)

GPH 213: Introduction to Climatology (SG)

GPH 314: Global Change (HU & G)

GPH 381: Geography of Natural Resources (G)

GPH 405: Energy and Environment

GPH 414: Climate Change (G)

GPH 418: Landforms of the Western United States (L)

GPH 422: Plant Geography

GPH 433: Alpine and Arctic Environments (G)

Technique Courses

GCU 442: Geographical Analysis of Transportation (SB)

GIS 311: Geographic Information Science II (CS)

GIS 341: Introduction to Cartography and Georepresentation (CS)

GIS 351: Air Photo Interpretation

GIS 441: Geographics: Interactive and Animated Cartography and Geovisualization (CS)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Geography (Meteorology-Climatology), BS

College of Liberal Arts and Sciences

Tempe campus
LAGCUMBS

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 170: Precalculus (MA)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	13		
Term 2 14 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GPH 111: Introduction to Physical Geography (SQ)	4	C	
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
 PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ)	4	C	
Literacy and Critical Inquiry (L)	3		
Elective	4		
Complete Mathematics (MA) requirement.			
 Complete First-Year Composition requirement.			
Term hours subtotal:	15		
Minimum			

Term 4 46 - 60 Credit Hours Critical course signified by 	Hours	Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	
 PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Elective	4		
Term hours subtotal:	15		

Term 5 61 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
GIS 205: Geographic Information Technologies (CS)	3	C	GPH 409 is offered once every two years--during the Fall semester of odd-numbered years (so it may be a Term 7 course)
Upper Division CLAS Science and Society Elective	3	C	
Elective	3		
GCU 102: Introduction to Human Geography (SB & G)	3	C	
 GPH 409: Synoptic Meteorology I	4	C	
Term hours subtotal:	16		

Term 6 77 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GPH 410: Synoptic Meteorology II	4	C	- GPH 410 is offered once every two years--during the Spring semester of even-numbered years (so it may be a Term 8 course) - GPH 412 is offered once every two years--during the Spring semester of even-numbered years (so it may be a Term 8 course).
 GPH 412: Physical Meteorology	3	C	
Upper Division Technique Course	3	C	
GCU 121: World Geography (SB & G)	4	C	
Term hours subtotal:	14		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GIS 470: Statistics for Geographers (CS)	3	C	GPH 474 is offered once every two years--during the Fall semester of even-numbered years (so it may be a Term 5 course)
 GPH 474: Dynamic Meteorology I	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 GCU 496: Geographic Research Methods (L)	3	C	GPH 475 is offered once every two years--during the Spring semester of odd-numbered years (so it may be a Term 6 course)
 GPH 475: Dynamic Meteorology II	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Technique Course

GCU 442: Geographical Analysis of Transportation (SB)

GIS 211: Geographic Information Science I (CS)

GIS 311: Geographic Information Science II (CS)

GIS 341: Introduction to Cartography and Georepresentation (CS)

GIS 351: Air Photo Interpretation

GIS 441: Geographics: Interactive and Animated Cartography and Geovisualization (CS)

GIS 471: Geographic Information Analysis

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Geography (Urban Studies), BS**

College of Liberal Arts and Sciences

 Tempe campus
LAGCUUBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 142: College Mathematics (MA)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete 2 courses: Elective	4		
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GPH 111: Introduction to Physical Geography (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Complete 2 courses: Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GPH 111: Introduction to Physical Geography (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Elective	6		
Complete Mathematics (MA) requirement.			
 Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 47 - 62 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ GCU 102: Introduction to Human Geography (SB & G) OR GCU 121: World Geography (SB & G) OR GPH 111: Introduction to Physical Geography (SQ)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
GCU OR GIS OR GPH OR PUP Elective	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	16		
Term 5 63 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GCU 361: Urban Geography (SB)	3	C	
Upper Division Urban Topical Course	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		
Term 6 78 - 89 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIS 205: Geographic Information Technologies (CS)	3	C	
Upper Division Urban Topical Course	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		
Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIS 211: Geographic Information Science I (CS)	4	C	
★ GIS 470: Statistics for Geographers (CS)	3	C	
GCU OR GIS OR GPH OR PUP Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	16		
Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GCU 496: Geographic Research Methods (L)	3	C	
GCU OR GIS OR GPH OR PUP Elective	3	C	
Upper Division Urban Topical Course	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Urban Topical Courses

GCU 350: The Geography of World Crises (SB & G)

GCU 351: Population Geography (SB & G)

GCU 357: Social Geography (SB)

GCU 359: Cities of the World I (SB & G & H)

GCU 360: Cities of the World II (SB & G)

GCU 364: Energy in the Global Arena (SB & G)

GCU 441: Economic Geography (SB)

GCU 442: Geographical Analysis of Transportation (SB)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
German, BA

College of Liberal Arts and Sciences

Tempe campus
LAGERBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GER 101: Elementary German	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required for all freshman students. • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
SLC 191: First-Year Seminar	1		
Social-Behavioral Sciences (SB)	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GER 102: Elementary German	4	C	• Start planning your study abroad experience. Learn about faculty-directed summer programs offered through the School of International Letters and Cultures. • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GER 201: Intermediate German (G)	4	C	• Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
 SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
Humanities, Arts and Design (HU)	3		
Cultural Diversity in the U.S. (C)	3		

Elective	3
❗ Complete First-Year Composition requirement.	
❗ Complete Mathematics (MA) requirement.	
Maintain 2.33 GPA in Critical Tracking Courses.	
Term hours subtotal:	16

Term 4 47 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ GER 202: Intermediate German (G)	4	C	Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
❗ SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GER 310: Advanced German Grammar (G)	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
★ GER 311: German Conversation (G)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	16		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GER 312: Readings in German Culture (G)	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
★ GER 313: German Composition (G)	3	C	
GER Upper Division Elective OR Upper Division Related Area Course	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 7 92 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GER 421: German Literature Survey, 800-1800 (HU)	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
GER Upper Division Elective OR Upper Division Related Area Course	3	C	
GER Upper Division Elective	3	C	
Upper Division Elective	3		
Elective	2		
Term hours subtotal:	14		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GER 422: German Literature (L or HU)	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
★ SLC 491: Crossing Languages and Cultures	3	C	
GER Upper Division Elective	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

- Up to two Related Area Courses (6 credit hours) may be substituted for GER 3** and/or GER 4** electives.

Related Area Course
ARB OR BCS OR CHI OR FRE OR ITA OR GRK OR HEB OR HIN OR JPN OR KOR OR LAT OR MAK OR PLC OR POR OR ROM OR RUS OR SLC OR SLV OR SPA OR THA OR VTN Upper Division Elective
ASB 480: Principles of Linguistics (SB)
ASB 481: Language and Culture (SB)
ASB 483: Sociolinguistics and the Ethnography of Communication (SB)
APH 300: World Architecture I/Western Cultures (HU & H & G)
APH 336: 20th-Century Architecture I (HU)
APH 337: 20th-Century Architecture II (HU)
COM 371: Language, Culture, and Communication (SB & C & G)
DCE 300: Moving Histories (HU)
DCE 402: Ethnography of Dance Practices ((L or HU) & G)
GCU 325: Geography of Europe (SB & G)
GCU 359: Cities of the World I (SB & G & H)
GCU 360: Cities of the World II (SB & G)
HST 304: Studies in European History (SB & H)
HST 349: Early Middle Ages ((HU or SB) & H)
HST 350: Later Middle Ages ((HU or SB) & H)
HST 351: Renaissance Europe ((L or HU or SB) & H)
HST 352: Europe's Reformations ((L or HU or SB) & H)

HST 353: Old Regime in Europe (SB & H)

HST 354: Revolutionary Europe (SB & H)

HST 355: Total War and the Crisis of Modernity (SB & G & H)

HST 356: Europe since 1945 (SB & G & H)

HST 368: Culture and Imagination in European History (HU & H)

HST 429: Modern Germany (SB & G & H)

HST 454: History of Genocide (G & H)

HST 465: Women in Europe, 1750 to Present ((L or HU or SB) & H)

JUS 415: Gender and International Development (L & G)

MHL 344: Music in World Cultures (HU & G)

PHI 329: History of Modern Philosophy (HU & H)

PHI 331: Philosophy of Language (HU)

PHI 401: Rationalism

PHI 402: Empiricism (HU)

POS 340: History of Political Philosophy I (HU & H)

POS 341: History of Political Philosophy II (HU & H)

POS 356: European Union (SB & G)

POS 360: World Politics (SB & G)

POS 465: International Organization and Law (SB & G)

POS 467: International Security (SB & G)

POS 486: International Political Economy (SB & G)

REL 372: Formation of the Christian Tradition (HU & H)

REL 385: Contemporary Western Religious Thought (HU)

REL 470: Religion in the Middle Ages (HU & H)

REL 471: Reformation and Modern Christianity (HU & H)

THE 404: World Cinema (G)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

General University Requirements Legend

General Studies Awareness Requirements:

Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 120 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Global Health, BA**

College of Liberal Arts and Sciences
LASSHBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SSH 100: Introduction to Global Health (SB & G)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • Consult academic advisor for Academic Success Clusters, and First Year Seminar options
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASB 102: Culture in a Globalizing World (SB & G) OR ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR Global Health Elective in Related Areas	3-4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16-17		

Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS) OR SOC 390: Social Statistics I (CS) OR SSH 201: Introduction to Epidemiology OR STP 226: Elements of Statistics (CS)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
BIO 181: General Biology I (SQ) OR Natural Science - Quantitative (SQ) OR			

ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR Natural Science - General (SG)	4
Elective	3
❗ Complete Mathematics (MA) requirement.	
❗ Complete First-Year Composition requirement.	
Term hours subtotal:	14

Term 4 45 - 58 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ Computer/Statistics/Quantitative Applications (CS)	3		- All global health majors are required to go on a summer study abroad program the summer after term four. The 6 hours in term Summer 4 reflect the six hours that must be completed abroad through the School of Human Evolution and Social Change. Please see academic advisor for study abroad program options. - Second language requirement must be complete by the end of term 4.
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		

Summer 4 59 - 64 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G)	6	C	
Term hours subtotal:	6		

Term 5 65 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Core Course	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 80 - 94 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Core Course	3	C	
Upper Division Global Health Elective in Related Areas	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 7 95 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Core Course	3	C	Study abroad requirement must be completed by term 7
Complete 3 courses: Upper Division Elective	9		
Elective	2		
Term hours subtotal:	14		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Practicum	3	C	
Upper Division Global Health Elective in Related Areas	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		

Global Health Core

ASB 355: Traditional Medicine and Healing (HU or SB)

ASM 345: Disease and Human Evolution

SSH 300: Food and Culture ((L or SB) & C) or ASB 300: Food and Culture ((L or SB) & C)

SSH 301: Global History of Health (SB & H) or ASB 301: Global History of Health (SB & H)

SSH 370: Production, People, and Environments (L or SB) or ASB 370: Production, People, and Environments (L or SB)

SSH 400: Poverty, Social Justice, and Global Health ((L or SB) & G) or ASB 410: Poverty, Social Justice, and Global Health ((L or SB) & G)

SSH 401: Health and Human Biology or ASM 401: Health and Human Biology

SSH 404: Medical Anthropology: Culture and Health (SB & C) or ASB 462: Medical Anthropology: Culture and Health (SB & C)

SSH 414: Urban and Environmental Health (SB) or ASM 414: Urban and Environmental Health (SB)

Global Health Elective: Culture, Society and Health

AFR 380: Health Issues in the African American Community

ASB 355: Traditional Medicine and Healing (HU or SB)

HON 494: Religion & Bioethics

HST 312: History of Women in Science and Medicine (HU or SB)

NTR 348: Cultural Aspects of Food (SB & C & G)

SOC 427: Sociology of Health and Illness (SB)

SSH 300: Food and Culture ((L or SB) & C) or ASB 300: Food and Culture ((L or SB) & C)

SSH 404: Medical Anthropology: Culture and Health (SB & C) or ASB 462: Medical Anthropology: Culture and Health (SB & C)

TCL 323: Latino Health Issues (SB & C)

TCL 326: Health of Chicanas and Latinas (SB & C)

TCL 410: Race, Medicine, and the Body (L)

WST 360: Women as Healers (SB & G)

WST 373: Latina/Chicana Issues (SB & C)

WST 498: Women and HIV/AIDS (L)

Global Health Practicum

POS 464: Border Cities: Action Research on Globalization (SB & G)

SSH 414: Urban and Environmental Health (SB) or ASM 414: Urban and Environmental Health (SB)

TCL 321: Transborder Community Development and Health

TCL 424: Theory and Practice of Community Development and Health (SB)

Global Health Elective: Pre-Health & Other

ASB 102: Culture in a Globalizing World (SB & G)

ASM 104: Bones, Stones, and Human Evolution (SB or SG)

BCH 361: Advanced Principles of Biochemistry

BIO 340: General Genetics

BIO 351: Developmental Biology

BIO 360: Animal Physiology

MIC 220: Biology of Microorganisms

ECN 211: Macroeconomic Principles (SB)

ECN 212: Microeconomic Principles (SB)

Global Health Elective: Poverty and Social Justice

ASB 202: Immigration and Ethnic Relations in the U.S. (SB & H & C)

ASM 348: Social Issues in Human Genetics (SB)

SGS 350: Economic Development and Globalization

SGS 340: Violence, Conflict and Human Rights

SOC 424: Women and Health (SB)

SSH 370: Production, People, and Environments (L or SB) or ASB 370: Production, People, and Environments (L or SB)

SSH 400: Poverty, Social Justice, and Global Health ((L or SB) & G) or ASB 410: Poverty, Social Justice, and Global Health ((L or SB) & G)

TCL 327: Health and Migration (SB)

TCL 422: U.S.-Mexico Border Health

TCL 443: Political Ecology of the Border (SB & G)

WST 365: Women and International Health (G)

Global Health Elective: Time Depth and Health & Human Biology

ASM 342: Evolution and Human Behavior

ASM 345: Disease and Human Evolution

ASM 452: Dental Anthropology (SG)

HPS 331: History of Medicine (H)

NTR 450: Nutrition in the Life Cycle (SB)

SOC 448: Epidemics and Society (SB & G)

SSH 301: Global History of Health (SB & H) or ASB 301: Global History of Health (SB & H)

SSH 401: Health and Human Biology or ASM 401: Health and Human Biology

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Global Health, BA**

College of Liberal Arts and Sciences

Online

LASSHBA

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASB 100: Introduction to Global Health (SB & G)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 8 - 12 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course
Elective	2		
Term hours subtotal:	5		
Term 2 - A 13 - 19 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASM 104: Bones, Stones, and Human Evolution (SB or SG) OR Global Health Elective	3-4	C	• ASU Math Placement Exam score determines placement in Mathematics course • Only those students with no experience with the language may take the 101-level course. All other students are required to take a language placement exam, regardless of prior credit earned: https://international.clas.asu.edu/testing
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7-8		
Term 2 - B 20 - 26 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	

Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	• ASU Math Placement Exam score determines placement in Mathematics course
❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 27 - 33 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		
Term 3 - B 34 - 40 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Historical Awareness (H)	3		
❗ Complete First-Year Composition requirement.			
❗ Complete Mathematics (MA) requirement.			
Term hours subtotal:	7		
Term 4 - A 41 - 46 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ SOC 390: Social Statistics I (CS) OR ASM 201: Epidemics and Outbreaks OR STP 226: Elements of Statistics (CS)	3	C	
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	6		
Term 4 - B 47 - 53 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 5 - A 54 - 59 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G)	6	C	
Term hours subtotal:	6		
• All global health majors are required to go on a summer study abroad program to fulfill major requirements. The 6 hours in term Term 5 - A reflect the six hours that must be completed abroad through the School of Human Evolution and Social Change. The study abroad experience can be done during any summer but should ideally be completed before a student's last term in the degree program. Please contact your academic advisor for study abroad program options or to inquire about petitioning for a substitution. • For more information about planning and paying for your study abroad program, please see: https://shesc.asu.edu/study-abroad-field-schools/planning-financing-your-program. Students are strongly encouraged to start planning and saving for this experience as early as possible.			

Term 5 - B 60 - 66 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3-2		
Term hours subtotal:	7-6		
Term 6 - A 67 - 72 Credit Hours	Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)	3		
Elective	3		
Term hours subtotal:	6		
Term 6 - B 73 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Core Course	3	C	
Elective	3		
Term hours subtotal:	6		
Term 7 - A 79 - 84 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		
Term 7 - B 85 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Core Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		
Term 8 - A 91 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Core Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		
Term 8 - B 97 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ASM 414: Urban and Environmental Health (SB)	3	C	
Term hours subtotal:	3		
Term 9 - A 100 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Elective	3	C	

Upper Division Elective	3
Term hours subtotal:	6

Term 9 - B 106 - 111 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	6		

Term 10 - A 112 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Global Health Elective	3	C	• Study abroad requirement should be completed by Term 10 - A.
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - B 118 - 120 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Term hours subtotal:	3		

Global Health Core

ASB 300: Food and Culture ((L or SB) & C)

ASB 327: Disaster! ((L or SB) & C)

ASB 410: Poverty, Social Justice, and Global Health ((L or SB) & G)

ASB 462: Medical Anthropology: Culture and Health (SB & C)

ASM 345: Disease and Human Evolution

Global Health Elective

ASB 210: Human Sexuality: Anthropological Perspectives (SB & G)

ASB 300: Food and Culture ((L or SB) & C)

ASB 316: Money and Culture (L or SB)

ASB 327: Disaster! ((L or SB) & C)

ASB 378: Migration and Society (SB & C)

ASB 410: Poverty, Social Justice, and Global Health ((L or SB) & G)

ASB 462: Medical Anthropology: Culture and Health (SB & C)

ASM 104: Bones, Stones, and Human Evolution (SB or SG)

ASM 201: Epidemics and Outbreaks

ASM 246: Human Origins (SB)

ASM 275: Forensic Anthropology (SB)

ASM 345: Disease and Human Evolution

SOC 424: Women and Health (SB)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Global Studies, BA

College of Liberal Arts and Sciences
Tempe campus
LASGSBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement into mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
MAT 142: College Mathematics (MA)	3	C	
SGS 101: Thinking Globally: The Individual and Authority (SB)	3	C	
SGS 191: Access to the World	1		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 SGS Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	16		
Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SGS 204: Professional Global Career Development	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Maintain 2.00 GPA in Major Courses.			

Term hours subtotal: 14

Term 4 45 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SGS Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	16		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SGS Upper Division Elective	3	C	
SGS 305: Research Methods (L)	3	C	
Upper Division Related Area Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SGS Upper Division Elective	3	C	
SOC 390: Social Statistics I (CS) OR POS 401: Political Statistics (CS)	3	C	
Complete 2 courses: Upper Division Related Area Course	6	C	
Global Awareness (G)	3		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SGS Upper Division Elective	3	C	• There is room in one's program of study for a minor or certificate.
Upper Division Related Area Course	3	C	
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Maintain 2.00 GPA in Major Courses.			
Term hours subtotal:	15		

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	SGS 484: Internship		6	C	• Internship must be international and approved by internship coordinator before start of internship. • There is room in one's program of study for a minor or certificate.
	Complete 3 courses: Upper Division Elective		9		
	Maintain 2.00 GPA in Major Courses.				
	Term hours subtotal:		15		

- All Global Studies majors must complete five major elective courses from the list found at <https://pgs.clas.asu.edu/content/global-studies-courselist>. Major elective coursework is distributed across five areas of emphasis - Cultural Perspective and Place, Economic Development, Global Governance, Urban Systems and Environment, and Violence, Conflict, and Human Rights. At least two of the five major elective courses must reflect different areas of emphasis. In other words, all five major elective courses cannot come from just one area of emphasis. Students must earn a 'C' or better in the courses.

Related Area Courses

AFR OR ASB OR ASM OR BIO OR
COM OR ECN OR GCU OR GPH OR
HPS OR HST OR JUS OR PAF OR POS
OR PUP OR REL OR SOS OR USL OR
WST Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
History - Asia, BA

College of Liberal Arts and Sciences
LAHISBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HST 111: Introduction to Asia (HU & H & G)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences OR HST 191: First-Year Seminar	1		
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 2 17 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
HST Elective	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Asian HST course	3	C	
Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Literacy and Critical Inquiry (L)	3		
 Complete First-Year Composition requirement.			
 Complete Mathematics (MA) requirement.			

Maintain 2.25 GPA in Critical Tracking Courses.

Term hours subtotal: 16

Term 4 47 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
HST course outside Asia	3	C	
Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
 Minimum 2.25 GPA in HST.			
Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 5 61 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Asian HST course	3	C	The sequence of history courses shown here is a suggested one. Except where prerequisites dictate the order in which certain courses must be taken, students should consult with an academic advisor to determine the best sequence of courses for their personal plan of study.
Upper Division Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 6 77 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Asian HST course	3	C	
Upper Division HST course outside Asia	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Elective	2		
Term hours subtotal:	14		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HST 495: Methods of Historical Inquiry (L)	3	C	
HST Upper Division Elective	3	C	
Upper Division Related Area Course	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Minimum

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Grade	Notes
★	Upper Division Asian HST course		3	C	
	Upper Division Related Area Course		3	C	
	Complete 3 courses: Upper Division Elective		9		
	Term hours subtotal:		15		

- Majors complete 15 credit hours in a geographic concentration chosen from U.S., Europe, Asia or Latin America.
- Students must complete 15 credits of courses in related areas, at least 9 of which must be upper division.
- The courses in the Outside Asia track are too many to list separately but comprise any HST course not on the Asia track list and whose content is not centered in Asia.

Related Area courses
AFR OR AIS OR APA OR APH OR ARS OR ASB OR ASM OR ECN OR GCU OR HPS OR PHI OR POS OR REL OR SOC OR TCL OR WST Elective
Asia
HST 106: Asian Civilizations ((HU or SB) & G & H)
HST 107: Asian Civilizations (SB & G & H)
HST 108: Introduction to Japan (SB & G & H)
HST 111: Introduction to Asia (HU & H & G)
HST 201: Historical Themes in Asia (SB & H)
HST 240: Introduction to Southeast Asia ((HU or SB) & G)
HST 303: Studies in Asian History (SB & H)
HST 372: Modern Middle East (SB & G & H)
HST 383: China (SB & H)
HST 384: China (SB & G & H)
HST 385: History of Chinese Medicine (HU & H & G)
HST 386: Interpreting China's Classics ((L or HU) & H)
HST 387: Japan ((L or SB) & H)
HST 388: Japan (SB & G & H)
HST 389: Japan Society and Values/Premod
HST 391: Modern Southeast Asia (SB & G & H)
HST 435: The Russian Empire (SB & H)

HST 436: The Soviet Experiment (SB & G & H)

HST 451: Chinese Cultural History I ((HU or SB) & H)

HST 452: Chinese Cultural History II (SB & G & H)

HST 453: The People's Republic of China (SB & G & H)

HST 456: The Vietnam War (SB & G & H)

HST 498: Gandhi: Politics of Non-Violence (L), Topics in Islamic History (L)

Outside Asia course

HST Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map History - Europe, BA

College of Liberal Arts and Sciences
LAHISBA

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
HST Elective		3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences OR HST 191: First-Year Seminar		1		
MAT 142: College Mathematics (MA)		3	C	
Humanities, Arts and Design (HU)		3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)		3		
Maintain 2.25 GPA in Critical Tracking Courses.				
Term hours subtotal:		16		
Term 2 17 - 30 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 European HST course		3	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)		4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Maintain 2.25 GPA in Critical Tracking Courses.				
Term hours subtotal:		14		
Term 3 31 - 46 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
HST Course (Non-U.S./Non-European)		3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
Computer/Statistics/Quantitative Applications (CS)		3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)		3		
Elective		3		
Complete First-Year Composition requirement.				
 Complete Mathematics (MA) requirement.				
Maintain 2.25 GPA in Critical Tracking Courses.				

Term hours subtotal: 16

Term 4 47 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 European HST course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 5 61 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division European HST course	3	C	• The sequence of history courses shown here is a suggested one. Except where prerequisites dictate the order in which certain courses must be taken, students should consult with an academic advisor to determine the best sequence of courses for their personal plan of study.
Upper Division HST Course (Non-U.S./Non-European)	3	C	
Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	16		

Term 6 77 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division European HST course	3	C	
Upper Division Related Area Course	3	C	
Related Area Course	3	C	
Upper Division Elective	3		
Elective	2		
Term hours subtotal:	14		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division European HST course	3	C	
HST 495: Methods of Historical Inquiry (L)	3	C	
Upper Division Related Area Course	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HST Upper Division Elective	3	C	

Upper Division Related Area Course	3	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Complete 2 courses: Upper Division Elective	6	
Term hours subtotal:		15

- Majors complete 15 credit hours in a geographic concentration chosen from U.S., Europe, Asia or Latin America.

Students must complete 15 credits of courses in related areas, at least 9 of which must be upper division.

Related Area courses

AFR OR AIS OR APA OR APH OR ARS
OR ASB OR ASM OR ECN OR GCU
OR HPS OR PHI OR POS OR REL OR
SOC OR TCL OR WST Elective

Europe

HST 102: Western Civilization: Ancient
and Medieval Europe (SB & H)

HST 103: Western Civilization:
Renaissance to Enlightenment ((HU or
SB) & H)

HST 104: Western Civilization: French
Revolution to European Union ((HU or
SB) & G & H)

HST 112: Foundations of Democracy

HST 304: Studies in European History
(SB & H)

HST 309: Exploration and Empire ((L or
HU) & H)

HST 346: Ancient Greece II: Late
Classical and Hellenistic Period

HST 347: Ancient Greece I: Bronze Age
through the Peloponnesian War (SB & H)

HST 349: Early Middle Ages ((HU or SB)
& H)

HST 350: Later Middle Ages ((HU or SB)
& H)

HST 351: Renaissance Europe ((L or HU
or SB) & H)

HST 352: Europe's Reformations ((L or
HU or SB) & H)

HST 353: Old Regime in Europe (SB &
H)

HST 354: Revolutionary Europe (SB &
H)

HST 355: Total War and the Crisis of
Modernity (SB & G & H)

HST 356: Europe since 1945 (SB & G &
H)

HST 358: Jewish History from the Bible
to 1492 (SB & H)

HST 359: Jewish History from 1492 to 1948 (SB & G & H)

HST 361: Witchcraft and Heresy in Europe ((L or HU) & H)

HST 362: Sex and Society in Classical and Medieval Europe (SB & H)

HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H)

HST 364: Sex and Society in Modern Europe ((L or SB) & H)

HST 366: England to 1689 (SB & H)

HST 367: Modern Britain (SB & H)

HST 370: Eastern Europe in Transition (SB & G & H)

HST 373: Roman History I: Foundations and Republic

HST 374: Roman History II: The Roman Empire

HST 423: The Tudor Monarchy (SB & H)

HST 424: The Stuart Monarchy (SB & H)

HST 426: The British Empire (SB & H)

HST 427: French Revolution/Napoleonic Era (SB & H)

HST 428: Modern France (SB & G & H)

HST 429: Modern Germany (SB & G & H)

HST 431: Eastern Europe and the Balkans, Pre-1914 (SB & H)

HST 432: Eastern Europe the Balkans, 20th Century (SB & G & H)

HST 435: The Russian Empire (SB & H)

HST 436: The Soviet Experiment (SB & G & H)

HST 438: Modern Spain ((HU or SB) & G & H)

HST 465: Women in Europe, 1750 to Present ((L or HU or SB) & H)

Non-U.S.. Non-European courses

HST 106: Asian Civilizations ((HU or SB) & G & H)

HST 107: Asian Civilizations (SB & G & H)

HST 111: Introduction to Asia (HU & H & G)

HST 108: Introduction to Japan (SB & G & H)

HST 240: Introduction to Southeast Asia ((HU or SB) & G)

HST 303: Studies in Asian History (SB & H)

HST 305: Studies in Latin American History (SB & H)

HST 307: Studies in African History (H)

HST 372: Modern Middle East (SB & G & H)

HST 375: Colonial Latin America (SB & H)

HST 378: Latin American Women: The National Period (SB & G & H)

HST 383: China (SB & H)

HST 384: China (SB & G & H)

HST 385: History of Chinese Medicine (HU & H & G)

HST 387: Japan ((L or SB) & H)

HST 388: Japan (SB & G & H)

HST 389: Japan Society and Values/Premod

HST 391: Modern Southeast Asia (SB & G & H)

HST 435: The Russian Empire (SB & H)

HST 436: The Soviet Experiment (SB & G & H)

HST 443: The United States and Latin America (SB & G & H)

HST 445: 20th-Century Cuba (SB & G & H)

HST 447: Modern Mexico (SB & H)

HST 451: Chinese Cultural History I ((HU or SB) & H)

HST 452: Chinese Cultural History II (SB & G & H)

HST 453: The People's Republic of China (SB & G & H)

HST 456: The Vietnam War (SB & G & H)

HST 498: Gandhi: Politics of Non-Violence (L), Russians Abroad (L), Women in Latin America (L)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
History - Latin America, BA
College of Liberal Arts and Sciences
LAHISBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
LIA 101: Student Success in the College of Liberal Arts and Sciences OR HST 191: First-Year Seminar	1		
MAT 142: College Mathematics (MA)	3	C	
HST Elective	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 2 17 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HST course outside Latin America	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Maintain 2.25 GPA in Critical Tracking Courses.			

Term hours subtotal: 16

Term 4 47 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Latin American HST course	3	C	
Related Area Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
 Minimum 2.25 GPA in HST.			
Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 5 61 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Latin American HST course	3	C	
Latin American HST course	3	C	
Upper Division HST course outside Latin America	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Upper Division Elective	3		
Term hours subtotal:	16		

Term 6 77 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Latin American HST course	3	C	
Upper Division Related Area Course	3	C	
Related Area Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	2		
Term hours subtotal:	14		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HST 495: Methods of Historical Inquiry (L)	3	C	
HST Upper Division Elective	3	C	
Upper Division Related Area Course	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Latin American HST course	3	C	

Upper Division Related Area Course	3	C
Complete 3 courses: Upper Division Elective	9	
Term hours subtotal:		15

- The Outside Latin America track comprises all HST courses not in the Latin America track list or courses centered in Latin America.
- Students must complete 15 credits of courses in related areas, at least 9 of which must be upper division.
- Majors complete 15 credit hours in a geographic concentration chosen from U.S., Europe, Asia or Latin America.

Related Area courses
AFR OR AIS OR APA OR APH OR ARS OR ASB OR ASM OR ECN OR GCU OR HPS OR PHI OR POS OR REL OR SOC OR TCL OR WST Elective
Latin America
HST 203: Historical Themes in Latin America (SB & H)
HST 305: Studies in Latin American History (SB & H)
HST 375: Colonial Latin America (SB & H)
HST 376: Modern Latin America (SB & H)
HST 378: Latin American Women: The National Period (SB & G & H)
HST 443: The United States and Latin America (SB & G & H)
HST 445: 20th-Century Cuba (SB & G & H)
HST 447: Modern Mexico (SB & H)
HST 498: LATAM: Democracy in Latin America (L), Transnational Borders (L), US: Mexico and U.S. Border (L), US: Southwest Borderlands (L), US: U.S. and Mexico Relations (L), Women in Latin America (L)
Outside Latin America course
HST Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
History - United States, BA
 College of Liberal Arts and Sciences
 LAHISBA

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 U.S. HST Course	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences OR HST 191: First-Year Seminar	1		
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	2		
Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 2 16 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HST Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 3 30 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
HST Course (Non-U.S./Non-European)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Maintain 2.25 GPA in Critical Tracking Courses.			

Term hours subtotal: 16

Term 4 46 - 59 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 U.S. HST Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division U.S. HST Course	3	C	
<i>Complete 2 courses:</i> Related Area Course	6	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	16		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i> Upper Division U.S. HST Course	6	C	
Upper Division HST Course Non-U.S./Non European	3	C	
Upper Division Related Area Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HST 495: Methods of Historical Inquiry (L)	3	C	
<i>Complete 2 courses:</i> Upper Division Related Area Course	6	C	
<i>Complete 2 courses:</i> Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HST Upper Division Elective	3	C	
<i>Complete 4 courses:</i> Upper Division Elective	12		
Term hours subtotal:	15		

- Majors complete 15 credit hours in a geographic concentration chosen from U.S., Europe, Asia or Latin America.

Students must complete 15 credits of courses in related areas, at least 9 of which must be upper division.

Related Area courses
AFR OR AIS OR APA OR APH OR ARS OR ASB OR ASM OR ECN OR GCU OR HPS OR PHI OR POS OR REL OR SOC OR TCL OR WST Elective
Non-U.S./Non Europe
HST 106: Asian Civilizations ((HU or SB) & G & H)
HST 107: Asian Civilizations (SB & G & H)
HST 108: Introduction to Japan (SB & G & H)
HST 111: Introduction to Asia (HU & H & G)
HST 201: Historical Themes in Asia (SB & H)
HST 203: Historical Themes in Latin America (SB & H)
HST 240: Introduction to Southeast Asia ((HU or SB) & G)
HST 303: Studies in Asian History (SB & H)
HST 305: Studies in Latin American History (SB & H)
HST 372: Modern Middle East (SB & G & H)
HST 375: Colonial Latin America (SB & H)
HST 376: Modern Latin America (SB & H)
HST 378: Latin American Women: The National Period (SB & G & H)
HST 383: China (SB & H)
HST 384: China (SB & G & H)
HST 385: History of Chinese Medicine (HU & H & G)
HST 386: Interpreting China's Classics ((L or HU) & H)
HST 387: Japan ((L or SB) & H)
HST 388: Japan (SB & G & H)
HST 389: Japan Society and Values/Premod
HST 391: Modern Southeast Asia (SB & G & H)
HST 443: The United States and Latin America (SB & G & H)

HST 445: 20th-Century Cuba (SB & G & H)

HST 447: Modern Mexico (SB & H)

HST 451: Chinese Cultural History I ((HU or SB) & H)

HST 452: Chinese Cultural History II (SB & G & H)

HST 453: The People's Republic of China (SB & G & H)

HST 456: The Vietnam War (SB & G & H)

United States

HST 109: United States to 1865 ((HU or SB) & H)

HST 110: United States Since 1865 (SB & H)

HST 204: Historical Themes in the US (SB & H)

HST 210: American Social History ((L or SB) & H)

HST 211: American Jewish History (SB & H)

HST 306: Studies in United States History ((HU or SB) & H)

HST 313: American Cultural History to 1865 (SB & H)

HST 314: American Cultural History Since 1865 ((HU or SB) & H)

HST 315: Political History of the U. S. (SB & H)

HST 316: 20th-Century U.S. Foreign Relations (SB & G & H)

HST 320: U.S. Urban History since 1850 (SB & H)

HST 321: Constitutional History/US to 1965 (SB & H)

HST 322: Constitutional History of the United States Since 1865 (SB & H)

HST 325: Immigration and Ethnicity in the United States (SB & H & C)

HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)

HST 329: Women in 20th-Century U.S. West (H & C)

HST 331: Mexican American History to 1900 (SB & H & C)

HST 332: Mexican American History Since 1900 (SB & H & C)

HST 333: African American History to 1865 (SB & H & C)

HST 334: African American History Since 1865 ((HU or SB) & C & H)

HST 337: American Indian History to 1900 ((HU or SB) & C & H)

HST 338: American Indian History since 1900 ((HU or SB) & C & H)

HST 341: U.S. West 19th Century (SB & H)

HST 342: U.S. West 20th Century (SB & H)

HST 343: American Southwest ((L or SB) & H)

HST 344: Arizona (SB & H)

HST 405: Colonial American History to 1763 (SB & H)

HST 406: American Revolution/1763-1789 (SB & H)

HST 407: Early U.S. Republic/1789-1850 ((L or SB) & H)

HST 408: Civil War and Reconstruction ((L or SB) & H)

HST 409: Emergence Modern U.S. 1877-1918 (SB & H)

HST 410: Modern U.S., 1918 to 1945 (SB & H)

HST 411: Postwar U.S., 1945-1973 (SB & H)

HST 412: Contemporary U.S., 1973-Present (SB & H)

HST 415: Unequal Sisters: Women and Political and Cultural Change ((L or SB) & H & C)

HST 443: The United States and Latin America (SB & G & H)

HST 456: The Vietnam War (SB & G & H)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
History, BA**

College of Liberal Arts and Sciences

Online

LAHISBA

Term 1 - A 1 - 6 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HST Primary Concentration Course AND Historical Awareness (H)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • The sequence of history courses shown here is a suggested one. Except where prerequisites dictate the order in which certain courses must be taken, students should consult with an academic advisor to determine the best sequence of courses for their personal plan of study.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	6		

Term 1 - B 7 - 13 Credit Hours	Hours	Minimum Grade	Notes
ASU 101: The ASU Experience OR First-Year Seminar	1		
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	7		

Term 2 - A 14 - 20 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HST Secondary Concentration Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	7		

Term 2 - B 21 - 27 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	7		

Term 3 - A 28 - 34 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HST Primary Concentration Course AND Humanities, Arts and Design (HU)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	7		

Term 3 - B 35 - 41 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Global Awareness (G)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete Mathematics (MA) requirement.			
 Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	7		

Term 4 - A 42 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HST Secondary Concentration Course	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
 Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	6		

Term 4 - B 48 - 53 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		
Elective	2		
 Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	6		

Term 5 - A 54 - 59 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division HST Primary Concentration Course	3	C	

Related Area Course	3	C
Maintain 2.25 GPA in Major Courses.		
Term hours subtotal:	6	

- Related fields courses may not be from ENG 101, ENG 102, ENG 105, ENG 107, ENG 108, ENG 111 or ENG 194.

Term 5 - B 60 - 65 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST Upper Division Elective	3	C	
Literacy and Critical Inquiry (L)	3		
Maintain 2.25 GPA in Major Courses.			
Term hours subtotal:	6		

Term 6 - A 66 - 72 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division HST Primary Concentration Course	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Maintain 2.25 GPA in Major Courses.			
Term hours subtotal:	7		

Term 6 - B 73 - 78 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	
Upper Division Elective	3		
Maintain 2.25 GPA in Major Courses.			
Term hours subtotal:	6		

Term 7 - A 79 - 84 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Related Area Course	3	C	
Cultural Diversity in the U.S. (C)	3		
Maintain 2.25 GPA in Major Courses.			
Term hours subtotal:	6		

Term 7 - B 85 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division HST Primary Concentration Course	3	C	
Upper Division Elective	3		
Maintain 2.25 GPA in Major Courses.			
Term hours subtotal:	6		

Term 8 - A 91 - 96 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Related Area Course	6	C	
Maintain 2.25 GPA in Major Courses.			
Term hours subtotal:	6		

Term 8 - B 97 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 495: Methods of Historical Inquiry (L)	3	C	
Upper Division Elective	3		
Maintain 2.25 GPA in Major Courses.			
Term hours subtotal:	6		

Term 9 - A 103 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division HST Secondary Concentration Course	3	C	
Social-Behavioral Sciences (SB)	3		
Maintain 2.25 GPA in Major Courses.			
Term hours subtotal:	6		

Term 9 - B 109 - 114 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		
Maintain 2.25 GPA in Major Courses.			
Term hours subtotal:	6		

Term 10 - A 115 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

- From the 2 concentrations offered in the online degree in history (World and U.S.), students must choose a primary and a secondary concentration, completing 15 credit hours in the primary concentration and nine credit hours in the secondary concentration.

Related Area
ARS Elective
ASB Elective
ASM Elective
ENG Elective
PHI Elective
POS Elective
REL Elective
SOC Elective
WST Elective
United States Concentration
HST 109: United States to 1865 ((HU or SB) & H)

HST 110: United States Since 1865 (SB & H)

HST 306: Studies in United States History ((HU or SB) & H)

HST 325: Immigration and Ethnicity in the United States (SB & H & C)

HST 314: American Cultural History Since 1865 ((HU or SB) & H)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)

HST 340: American Military History (SB & H)

HST 406: American Revolution/1763-1789 (SB & H)

HST 413: Contemporary America ((L or SB) & H)

HST 456: The Vietnam War (SB & G & H)

HST 498: WWI & American Home Front (L)

World Concentration

HST 100: Global History to 1500 (HU & H & G)

HST 101: Global History Since 1500 (HU & H & G)

HST 303: Studies in Asian History (SB & H)

HST 304: Europe in World History Since 1789 (SB & H), Europe in World History to 1715 (SB & H)

HST 305: Studies in Latin American History (SB & H)

HST 372: Modern Middle East (SB & G & H)

HST 391: Modern Southeast Asia (SB & G & H)

HST 456: The Vietnam War (SB & G & H)

HST 498: Witchcraft in Pre-Modern Europe (L)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map History (Secondary Education), BA

College of Liberal Arts and Sciences

Tempe campus
LAHISSEBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences OR HST 191: First-Year Seminar	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Minimum 2.25 GPA in HST.			
Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 2 15 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	• Students are encouraged to select free electives from courses in geography, political science, and economics. Barrett Honors students may use their research and thesis hours as electives.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 2.25 GPA in HST.			
Maintain 2.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	17		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion	3	C	• Students are encouraged to select free electives from courses in geography,
 EDT 180: Problem Solving using Digital Technology Applications (CS) or EDT 321: Mobile Technologies and Your World (CS)	3	C	

 HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Elective	3	
 Complete Mathematics (MA) requirement.		
Minimum 2.25 GPA in HST.		
Maintain 2.25 GPA in Critical Tracking Courses.		
Milestone: Meet with Teachers College advisor.		
Milestone: Complete online intent to progress form.		
Term hours subtotal:	16	

political science, and economics. Barrett Honors students may use their research and thesis hours as electives.

Term 4	48 - 63 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)		3	C	Students are encouraged to select free electives from courses in geography, political science, and economics. Barrett Honors students may use their research and thesis hours as electives.
	SPE 222: Orientation to Education of Exceptional Children (SB & C)		3	C	
	Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
	Natural Science - Quantitative (SQ)		4		
	Elective		2		
	Minimum 2.50 GPA ASU Cumulative.				
	Minimum 2.25 GPA in HST.				
	Maintain 2.25 GPA in Critical Tracking Courses.				
	Milestone: DPS fingerprint clearance card on file with MLFTC advising office (to be uploaded with iTeachAZ application)				
	Milestone: Must attend iTeachAZ orientation the semester prior to starting field experience.				
	Term hours subtotal:		16		

Term 5	64 - 79 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes
	EDP 313: Childhood and Adolescence (SB)		3	C	Students are encouraged to select free electives from courses in geography, political science, and economics. Barrett Honors students may use their research and thesis hours as electives.
	SED 396: Clinical Experience I		1	Y	
	TEL 311: Instruction and Management in the Inclusive Classroom		3	C	
	Complete 2 courses: Upper Division Asia, Europe or Latin America HST courses		6	C	
	Elective		3		
	Minimum 2.50 GPA ASU Cumulative.				
	Minimum 2.25 GPA in HST.				
Term hours subtotal:			16		

Term 6 80 - 95 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ HST 480: Methods of Teaching History: Classroom Resources	3	C
★ HST 495: Methods of Historical Inquiry (L)	3	C
★ RDG 323: Literacy Processes in Content Areas	3	C
★ SED 397: Clinical Experience II	1	Y
Upper Division United States HST courses	3	C
Elective	3	
★ Minimum 2.50 GPA ASU Cumulative.		
Minimum 2.25 GPA in HST.		
Term hours subtotal:	16	

- Students are encouraged to select free electives from courses in geography, political science, and economics. Barrett Honors students may use their research and thesis hours as electives.

Term 7 96 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students	3	C	
★ HST 481: Methods of Teaching History: Community Resources	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 496: Clinical Experience III	1	Y	
Upper Division United States HST courses	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Minimum 2.25 GPA in HST.			
Term hours subtotal:	13		

- All degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching.
- Students must either have completed HST 344: Arizona or passed the Constitutions of the United States and Arizona AEPA exam by the end of term 7.

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching in the Secondary School	12	Y	
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Latin America

HST 203: Historical Themes in Latin America (SB & H)

HST 305: Studies in Latin American History (SB & H)

HST 375: Colonial Latin America (SB & H)

HST 376: Modern Latin America (SB & H)

HST 378: Latin American Women: The National Period (SB & G & H)

HST 443: The United States and Latin America (SB & G & H)

HST 445: 20th-Century Cuba (SB & G & H)

HST 447: Modern Mexico (SB & H)

HST 498: LATAM: Democracy in Latin America (L), Transnational Borders (L), US: Mexico and U.S. Border (L), US: Southwest Borderlands (L), US: U.S. and Mexico Relations (L), Women in Latin America (L)

Europe

HST 102: Western Civilization: Ancient and Medieval Europe (SB & H)

HST 103: Western Civilization: Renaissance to Enlightenment ((HU or SB) & H)

HST 104: Western Civilization: French Revolution to European Union ((HU or SB) & G & H)

HST 112: Foundations of Democracy

HST 304: Studies in European History (SB & H)

HST 309: Exploration and Empire ((L or HU) & H)

HST 346: Ancient Greece I: Bronze Age through the Peloponnesian War

HST 347: Ancient Greece II: Late Classical and Hellenistic Period (SB & H)

HST 349: Early Middle Ages ((HU or SB) & H)

HST 350: Later Middle Ages ((HU or SB) & H)

HST 351: Renaissance Europe ((L or HU or SB) & H)

HST 352: Europe's Reformations ((L or HU or SB) & H)

HST 353: Old Regime in Europe (SB & H)

HST 354: Revolutionary Europe (SB & H)

HST 355: Total War and the Crisis of Modernity (SB & G & H)

HST 356: Europe since 1945 (SB & G & H)

HST 358: Jewish History from the Bible to 1492 (SB & H)

HST 359: Jewish History from 1492 to 1948 (SB & G & H)

HST 361: Witchcraft and Heresy in Europe ((L or HU) & H)

HST 362: Sex and Society in Classical and Medieval Europe (SB & H)

HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H)

HST 364: Sex and Society in Modern Europe ((L or SB) & H)

HST 366: England to 1689 (SB & H)

HST 367: Modern Britain (SB & H)

HST 370: Eastern Europe in Transition
(SB & G & H)

HST 373: Roman History I: Foundations
and Republic

HST 374: Roman History II: The Roman
Empire

HST 423: The Tudor Monarchy (SB & H)

HST 424: The Stuart Monarchy (SB & H)

HST 426: The British Empire (SB & H)

HST 427: French Revolution/Napoleonic
Era (SB & H)

HST 428: Modern France (SB & G & H)

HST 429: Modern Germany (SB & G &
H)

HST 431: Eastern Europe and the
Balkans, Pre-1914 (SB & H)

HST 432: Eastern Europe the Balkans,
20th Century (SB & G & H)

HST 435: The Russian Empire (SB & H)

HST 436: The Soviet Experiment (SB &
G & H)

HST 438: Modern Spain ((HU or SB) & G
& H)

HST 465: Women in Europe, 1750 to
Present ((L or HU or SB) & H)

Asia

HST 106: Asian Civilizations ((HU or SB)
& G & H)

HST 107: Asian Civilizations (SB & G &
H)

HST 108: Introduction to Japan (SB & G
& H)

HST 111: Introduction to Asia (HU & H
& G)

HST 201: Historical Themes in Asia

HST 240: Introduction to Southeast Asia
((HU or SB) & G)

HST 303: Studies in Asian History (SB &
H)

HST 372: Modern Middle East (SB & G
& H)

HST 383: China (SB & H)

HST 384: China (SB & G & H)

HST 385: History of Chinese Medicine
(HU & H & G)

HST 386: Interpreting China's Classics ((L
or HU) & H)

HST 387: Japan ((L or SB) & H)

HST 388: Japan (SB & G & H)

HST 389: Japan Society and
Values/Premod

HST 391: Modern Southeast Asia (SB & G & H)

HST 435: The Russian Empire (SB & H)

HST 436: The Soviet Experiment (SB & G & H)

HST 451: Chinese Cultural History I ((HU or SB) & H)

HST 452: Chinese Cultural History II (SB & G & H)

HST 453: The People's Republic of China (SB & G & H)

HST 456: The Vietnam War (SB & G & H)

HST 498: Gandhi: Politics of Non-Violence (L), Topics in Islamic History (L)

United States

HST 109: United States to 1865 ((HU or SB) & H)

HST 110: United States Since 1865 (SB & H)

HST 204: Historical Themes in the US (SB & H)

HST 210: American Social History ((L or SB) & H)

HST 211: American Jewish History (SB & H)

HST 306: Studies in United States History ((HU or SB) & H)

HST 313: American Cultural History to 1865 (SB & H)

HST 314: American Cultural History Since 1865 ((HU or SB) & H)

HST 315: Political History of the U. S. (SB & H)

HST 316: 20th-Century U.S. Foreign Relations (SB & G & H)

HST 320: U.S. Urban History since 1850 (SB & H)

HST 321: Constitutional History/US to 1965 (SB & H)

HST 322: Constitutional History of the United States Since 1865 (SB & H)

HST 325: Immigration and Ethnicity in the United States (SB & H & C)

HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)

HST 329: Women in 20th-Century U.S. West (H & C)

HST 331: Mexican American History to 1900 (SB & H & C)

HST 332: Mexican American History Since 1900 (SB & H & C)

HST 333: African American History to 1865 (SB & H & C)

HST 334: African American History Since 1865 ((HU or SB) & C & H)

HST 337: American Indian History to 1900 ((HU or SB) & C & H)

HST 338: American Indian History since 1900 ((HU or SB) & C & H)

HST 341: U.S. West 19th Century (SB & H)

HST 342: U.S. West 20th Century (SB & H)

HST 343: American Southwest ((L or SB) & H)

HST 344: Arizona (SB & H)

HST 405: Colonial American History to 1763 (SB & H)

HST 406: American Revolution/1763-1789 (SB & H)

HST 407: Early U.S. Republic/1789-1850 ((L or SB) & H)

HST 408: Civil War and Reconstruction ((L or SB) & H)

HST 409: Emergence Modern U.S. 1877-1918 (SB & H)

HST 410: Modern U.S., 1918 to 1945 (SB & H)

HST 411: Postwar U.S., 1945-1973 (SB & H)

HST 412: Contemporary U.S., 1973-Present (SB & H)

HST 415: Unequal Sisters: Women and Political and Cultural Change ((L or SB) & H & C)

HST 443: The United States and Latin America (SB & G & H)

HST 456: The Vietnam War (SB & G & H)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.50 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Integrated Studies, BA

College of Liberal Arts and Sciences

Tempe campus
LAISTBA

Students may not be admitted directly to the BA in Integrated Studies. This degree program is only for students who have earned at least 30 graded hours at ASU, who have a cumulative gpa of 3.25, and whose study interests are not met by an already-existing major offered by Arizona State University. Students who meet the above qualifications and who have faculty mentors in their areas of interest are invited to meet with the Office of Student and Academic Programs to discuss the possibility of being allowed to pursue this opportunity. Please call 480-965-6506 to schedule an appointment.

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Mathematics (MA)	3	C	
Social-Behavioral Sciences (SB)	3		
Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	14		
Term 2 15 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Elective	2		
 Minimum 3.25 GPA ASU Cumulative.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 30 - 43 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		

Social-Behavioral Sciences (SB)	3
🚩 Complete Mathematics (MA) requirement.	
🚩 Minimum 3.25 GPA ASU Cumulative.	
Term hours subtotal:	14

Term 4 44 - 60 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
🚩 Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 5 61 - 75 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ Complete 2 courses: Approved integrated study courses; determined by advisor.	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6		
Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ Complete 2 courses: Upper Division Approved integrated study courses; determined by advisor.	6	C	
⭐ Complete 2 courses: Approved integrated study courses; determined by advisor.	6	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ Complete 5 courses: Upper Division Approved integrated study courses; determined by advisor.	15	C	
Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ Complete 4 courses: Upper Division Approved integrated study courses; determined by advisor.	12	C	

 Minimum 3.25 GPA ASU Cumulative.

 Term hours subtotal: 15

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120**Upper Division Hours:** 45 minimum**Major GPA:** 3.25 minimum**Cumulative GPA:** 2.00 minimum**Total hrs at ASU:** 30 minimum**Hrs Resident Credit for****Academic Recognition:** 56 minimum**Total Community College Hrs:** 64
maximum**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Integrated Studies, BS

College of Liberal Arts and Sciences

Tempe campus
LAISTBS

Students may not be admitted directly to the BS in Integrated Studies. This degree program is only for students who have earned at least 30 graded hours at ASU, who have a cumulative gpa of 3.25, and whose study interests are not met by an already-existing major offered by Arizona State University. Students who meet the above qualifications and who have faculty mentors in their areas of interest are invited to meet with the Office of Student and Academic Programs to discuss the possibility of being allowed to pursue this opportunity. Please call 480-965-6506 to schedule an appointment.

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
LIA 101: Student Success in the College of Liberal Arts and Sciences		1		
Historical Awareness (H)		3		
Humanities, Arts and Design (HU)		3		
Mathematics (MA)		3	C	
Elective		3		
Minimum 3.25 GPA ASU Cumulative.				
Term hours subtotal:		16		
Term 2 17 - 31 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Computer/Statistics/Quantitative Applications (CS)		3		
Cultural Diversity in the U.S. (C)		3		
Global Awareness (G)		3		
Social-Behavioral Sciences (SB)		3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Minimum 3.25 GPA ASU Cumulative.				
Term hours subtotal:		15		
Term 3 32 - 44 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
CLAS Science and Society Elective		3	C	
Humanities, Arts and Design (HU)		3		
Natural Science - Quantitative (SQ)		4		
Elective		3		

❗ Complete Mathematics (MA) requirement.

❗ Minimum 3.25 GPA ASU Cumulative.

Term hours subtotal: 13

Term 4 45 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ Approved integrated study courses; determined by advisor.	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
❗ Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 3 courses: Approved integrated study courses; determined by advisor.	9	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
★ Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Approved integrated study courses; determined by advisor.	6	C	
★ Approved integrated study courses; determined by advisor.	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
★ Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 4 courses: Upper Division Approved integrated study courses; determined by advisor.	12	C	
Upper Division Elective	3		
★ Minimum 3.25 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 4 courses: Upper Division Approved integrated study courses; determined by advisor.	12	C	

★ Minimum 3.25 GPA ASU Cumulative.

Term hours subtotal: 15

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.25 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map International Letters and Cultures, BA

College of Liberal Arts and Sciences

Tempe campus

LASLCBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement into Mathematics course. • ASU 101 or College Specific equivalent First Year Seminar required of all freshman students. • Minimum 2.33 cumulative ASU GPA. • Must have cumulative 3.0 GPA in primary target language courses.
 SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
 Approved selected language courses	4-5	C	
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3	C	
SLC 191: First-Year Seminar	1		
Term hours subtotal:	14-15		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
 Approved selected language courses	4-5	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.33 GPA in Major Courses.			
Term hours subtotal:	16-17		

Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 2** Approved selected language courses	4	C	
Course from approved Program of Study	3	C	
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		

❗ Complete Mathematics (MA) requirement.

❗ Milestone: Write a personal statement and submit statement by the end of the term.

Milestone: Receive Program of Study approval by the end of the term.

Maintain 2.33 GPA in Major Courses.

Term hours subtotal: 14

Term 4 45 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ <i>Complete 3 courses:</i> Course from approved Program of Study	9	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Maintain 2.33 GPA in Major Courses.			
Term hours subtotal:	16		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ <i>Complete 3 courses:</i> Upper Division Course from approved Program of Study	9	C	
<i>Complete 2 courses:</i> Social-Behavioral Sciences (SB)	6		
Maintain 2.33 GPA in Major Courses.			
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ <i>Complete 3 courses:</i> Upper Division Course from approved Program of Study	9	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Maintain 2.33 GPA in Major Courses.			
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ <i>Complete 2 courses:</i> Upper Division Course from approved Program of Study	6	C	
Cultural Diversity in the U.S. (C)	3		
Global Awareness (G)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SLC 491: Crossing Languages and Cultures	3	C	
Course from approved Program of Study	3	C	
Upper Division Course from approved Program of Study	3	C	

- This degree program is intended for students who are already fairly competent in the language selected to study. The language selected by the student must be one offered by the School of International Letters and Cultures. Please see an academic advisor in SILC for approval of the language as well as the program of study which is tailored for individual students. Because of the nature of the degree program, students taking Romanian and Portuguese should be at least at the 313 level by the end of Term 1, and students taking Greek should be at least at the 301 level by the end of Term 1. Students in all other languages should be at the 201 level by the end of term 1.

Approved selected language courses

ARB 201: Intermediate Arabic I (G)

ARB 202: Intermediate Arabic II (G)

BCS 201: Intermediate Serbo-Croatian

BCS 202: Intermediate Serbo-Croatian

CHI 201: Second-Year Chinese I (G)

CHI 202: Second-Year Chinese II (G)

FRE 201: Intermediate French I (G)

FRE 202: Intermediate French II (G)

GER 201: Intermediate German (G)

GER 202: Intermediate German (G)

GRK 301: Ancient Greek Literature I
(HU)

GRK 302: Ancient Greek Literature II
(HU)

HEB 201: Intermediate Modern Hebrew
(G)

HEB 202: Intermediate Modern Hebrew
(G)

IDN 201: Intermediate Indonesian I (G)

IDN 202: Intermediate Indonesian II (G)

ITA 201: Intermediate Italian I (G)

ITA 202: Intermediate Italian II (G)

JPN 201: Second-Year Japanese I (G)

JPN 202: Second-Year Japanese II (G)

KOR 201: Second-Year Korean I (G)

KOR 202: Second-Year Korean II (G)

LAT 201: Intermediate Latin I (HU)

LAT 202: Intermediate Latin II (HU)

MAK 201: Intermediate Macedonian

MAK 202: Intermediate Macedonian

POR 313: Portuguese Composition and
Conversation (G)

POR 314: Portuguese Composition and
Conversation (G)

ROM 313: Romanian Composition and Conversation

ROM 314: Romanian Composition and Conversation

RUS 201: Intermediate Russian (G)

RUS 202: Intermediate Russian (G)

SPA 201: Intermediate Spanish (G)

SPA 202: Intermediate Spanish (G)

THA 201: Intermediate Thai I (G)

THA 202: Intermediate Thai II (G)

VTN 201: Intermediate Vietnamese I (G)

VTN 202: Intermediate Vietnamese II (G)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map International Letters and Cultures (Classical Civilization), BA

College of Liberal Arts and Sciences

Tempe campus
LASLCVBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
 SLC 221: Survey of Ancient Greek Literature OR SLC 222: Survey of Roman Literature	3	C	
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3	C	
SLC 191: First-Year Seminar	1		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• Start planning your study abroad experience. Learn about faculty-directed summer programs offered through the School of International Letters and Cultures. • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
 SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
 SLC 221: Survey of Ancient Greek Literature OR SLC 222: Survey of Roman Literature	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Cultural Diversity in the U.S. (C)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	• Start planning your study abroad experience. Learn about faculty-directed summer programs offered through the School of
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	

Global Awareness (G)	3
Natural Science - Quantitative (SQ)	4
❗ Complete First-Year Composition requirement.	
❗ Complete Mathematics (MA) requirement.	
Term hours subtotal:	14

International Letters and Cultures.

- Meet with a School of International Letters and Cultures **academic advisor** to discuss the best **study abroad options** for your major.

Term 4 45 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ HST 346: Ancient Greece II: Late Classical and Hellenistic Period OR HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) OR HST 373: Roman History I: Foundations and Republic OR HST 374: Roman History II: The Roman Empire	3	C	• Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
SLC 223: Introduction to Greek and Roman Mythology (HU)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	16		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 346: Ancient Greece II: Late Classical and Hellenistic Period OR HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) OR HST 373: Roman History I: Foundations and Republic OR HST 374: Roman History II: The Roman Empire	3	C	• Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Elective	2		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 346: Ancient Greece II: Late Classical and Hellenistic Period OR HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) OR HST 373: Roman History I: Foundations and Republic OR HST 374: Roman History II: The Roman Empire	3	C	• Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
★ Complete 2 courses: Upper Division Culture Courses	6	C	
Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SLC 491: Crossing Languages and Cultures	3	C	

Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3
Upper Division Literacy and Critical Inquiry (L)	3
Complete 2 courses: Upper Division Elective	6
Term hours subtotal:	15

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Elective	3		
Complete 4 courses: Upper Division Elective	12		
Term hours subtotal:	15		

- Contact a School of International Letters and Sciences [academic advisor](#) for additional Related Area Course options.

Culture courses
ARS 402: Art of Ancient Egypt (HU & H)
ARS 404: Greek Art (HU & H)
ARS 406: Roman Art (HU & H)
ARS 410: Early Christian and Byzantine Art (HU)
ASB 330: Thinking Through Archaeology (SB)
ENG 303: Classical Backgrounds of English Literature (HU)
ENG 305: Classical and Biblical Backgrounds to Literature
HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H)
HST 348: Rome (SB & H)
HST 373: Roman History I: Foundations and Republic
HST 374: Roman History II: The Roman Empire
PHI 328: History of Ancient Philosophy (HU & H)
REL 315: Hebrew Bible (Old Testament) ((L or HU) & H)
REL 375: Lost Scriptures, Lost Christianities (HU)
REL 396: Women in the Bible
REL 405: Emotions in Hebrew Bible: Narr on Being Human

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map International Letters and Cultures (Classics) - Greek, BA

College of Liberal Arts and Sciences

LASLCCBA

Term 1	0 - 15 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	GRK 101: Elementary Ancient Greek		5	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
	MAT 142: College Mathematics (MA) OR Mathematics (MA)		3	C	
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
	SLC 191: First-Year Seminar		1		
	Elective		3		
Minimum 2.33 GPA ASU Cumulative.					
	Minimum 3.00 GPA in GRK.				
	Term hours subtotal:		15		

Term 2	16 - 29 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	GRK 201: Intermediate Ancient Greek		5	C	• Start planning your study abroad experience. Learn about faculty-directed summer programs offered through the School of International Letters and Cultures. • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
	Computer/Statistics/Quantitative Applications (CS)		3		
	Elective		3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).					
Minimum 2.33 GPA ASU Cumulative.					
	Minimum 3.00 GPA in GRK.				
	Term hours subtotal:		14		

Term 3	30 - 45 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	GRK 301: Ancient Greek Literature I (HU)		3	C	• Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
	SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory		3	C	
	Cultural Diversity in the U.S. (C)		3		

Literacy and Critical Inquiry (L)	3
Natural Science - Quantitative (SQ)	4
❗ Complete First-Year Composition requirement.	
❗ Complete Mathematics (MA) requirement.	
❗ Minimum 3.00 GPA in GRK.	
Term hours subtotal:	16

Term 4 46 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ GRK 302: Ancient Greek Literature II (HU)	3	C	Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
❗ SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) OR HST 348: Rome (SB & H)	3	C	
Complete 2 courses: Elective	6		
❗ Minimum 3.00 GPA in GRK.			
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GRK 301: Ancient Greek Literature I (HU)	3	C	Students are required to take GRK 301 twice.
HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H) OR HST 348: Rome (SB & H)	3	C	
PHI 328: History of Ancient Philosophy (HU & H)	3	C	
Global Awareness (G)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GRK 302: Ancient Greek Literature II (HU)	3	C	Students are required to take GRK 302 twice.
★ Related Area Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	16		

Term 7 92 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Related Area Course	2	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 3 courses: Upper Division Elective	9		

Term hours subtotal: 14

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SLC 491: Crossing Languages and Cultures	3	C	
Complete 2 courses: Upper Division Elective	6		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

- Contact a School of International Letters and Sciences **academic advisor** for additional Related Area Course options. Students may choose from any of the track lists below.

Art History, Architecture, Archeology/Anthropology

APH 300: World Architecture I/Western
Cultures (HU & H & G)

APH 313: History of Architecture I ((L or
HU) & G & H)

ARS 101: Art from Prehistory Through
Middle Ages (HU & H)

ARS 402: Art of Ancient Egypt (HU & H)

ARS 404: Greek Art (HU & H)

ARS 406: Roman Art (HU & H)

ASB 222: Buried Cities and Lost Tribes
((HU or SB) & G & H)

ASB 330: Thinking Through Archaeology
(SB)

Classics, English, History, Philosophy

ENG 303: Classical Backgrounds of
English Literature (HU)

HPS 322: History of Science (HU & H)

HST 347: Ancient Greece I: Bronze Age
through the Peloponnesian War (SB & H)

HST 348: Rome (SB & H)

GRK 4** Elective

LAT Elective

Political Science, Religious Studies

POS 340: History of Political Philosophy I
(HU & H)

REL 203: Saints and Sinners:
Explorations in Sacred Biography (HU &
H)

REL 310: Western Religious Traditions
(HU & H)

REL 315: Hebrew Bible (Old Testament)
((L or HU) & H)

REL 371: New Testament (HU)

REL 372: Formation of the Christian
Tradition (HU & H)

REL 382: Magick, Religion and Science
(L or HU)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map International Letters and Cultures (Classics) - Latin, BA

College of Liberal Arts and Sciences

LASLCCBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 LAT 101: Elementary Latin	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
 SLC 191: First-Year Seminar	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3	C	
Elective	3		
 Minimum 3.00 GPA in LAT.			
 Minimum 2.33 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 LAT 102: Elementary Latin	4	C	• Start planning your study abroad experience. Learn about faculty-directed summer programs offered through the School of International Letters and Cultures. • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Complete 2 courses: Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 3.00 GPA in LAT.			
Term hours subtotal:	16		

Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 LAT 201: Intermediate Latin I (HU)	4	C	• Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
 SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		

Elective	3
⚠ Complete First-Year Composition requirement.	
⚠ Complete Mathematics (MA) requirement.	
⚠ Minimum 3.00 GPA in LAT.	
Term hours subtotal:	16

Term 4 47 - 60 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ LAT 202: Intermediate Latin II (HU)	4	C	Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
⚠ SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
Global Awareness (G)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
⚠ Minimum 3.00 GPA in LAT.			
⚠ Minimum 2.33 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LAT 421: Roman Literature (HU)	3	C	
HST 348: Rome (SB & H) OR HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H)	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Upper Division Elective	3		
Term hours subtotal:	16		

Term 6 77 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LAT 422: Roman Literature (HU)	3	C	
Complete 2 courses: Related Area Courses	5	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	14		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HST 348: Rome (SB & H) OR ★ HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H)	3	C	
★ Related Area Courses	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SLC 491: Crossing Languages and Cultures	3	C	
Complete 4 courses: Upper Division Elective	12		
Term hours subtotal:	15		

- Contact a School of International Letters and Sciences **academic advisor** for additional Related Area Course options. Students may choose from any of the three track groups.

Art History, Architecture, Archeology/Anthropology

APH 300: World Architecture I/Western Cultures (HU & H & G)

APH 313: History of Architecture I ((L or HU) & G & H)

ARS 101: Art from Prehistory Through Middle Ages (HU & H)

ARS 402: Art of Ancient Egypt (HU & H)

ARS 404: Greek Art (HU & H)

ARS 406: Roman Art (HU & H)

ASB 222: Buried Cities and Lost Tribes ((HU or SB) & G & H)

ASB 330: Thinking Through Archaeology (SB)

Classics, English, History, Philosophy

ENG 303: Classical Backgrounds of English Literature (HU)

HPS 322: History of Science (HU & H)

HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H)

HST 348: Rome (SB & H)

PHI 328: History of Ancient Philosophy (HU & H)

LAT 4** Elective

GRK Elective

Political Science, Religious Studies

POS 340: History of Political Philosophy I (HU & H)

REL 203: Saints and Sinners: Explorations in Sacred Biography (HU & H)

REL 310: Western Religious Traditions (HU & H)

REL 315: Hebrew Bible (Old Testament) ((L or HU) & H)

REL 371: New Testament (HU)

REL 372: Formation of the Christian Tradition (HU & H)

REL 382: Magick, Religion and Science (L or HU)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Italian, BA**

College of Liberal Arts and Sciences

Tempe campus

LAITABA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ITA 101: Elementary Italian I (G)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
SLC 191: First-Year Seminar	1		
Social-Behavioral Sciences (SB)	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ITA 102: Elementary Italian II (G)	4	C	• Start planning your study abroad experience. Learn about faculty-directed summer programs offered through the School of International Letters and Cultures. • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ITA 201: Intermediate Italian I (G)	4	C	• Meet with a School of International Letters and Cultures academic advisor
 SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
Cultural Diversity in the U.S. (C)	3		

Natural Science - Quantitative (SQ)	4
❗ Complete Mathematics (MA) requirement.	
❗ Complete First-Year Composition requirement.	
Maintain 2.33 GPA in Critical Tracking Courses.	
Term hours subtotal:	14

to discuss the **best study abroad options** for your major.

Term 4 45 - 61 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ ITA 202: Intermediate Italian II (G)	4	C	Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
❗ SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	17		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ITA 311: Italian Conversation (G)	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
★ ITA 312: Italian Composition (L & G)	3	C	
ITA 3** Elective OR ITA 4** Elective	3	C	
Related Area Course	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ITA 315: Italian Civilization (HU & G)	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
★ ITA 321: Introduction to Italian Literature I	3	C	
ITA 4** Elective	3	C	
Upper Division Related Area Course	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ITA 322: Introduction to Italian Literature II (HU)	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
★ ITA 413: Advanced Italian (G)	3	C	
ITA 4** Elective	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SLC 491: Crossing Languages and Cultures	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
ITA 4** Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Elective	2		
Term hours subtotal:	14		

Related Area Course

ARB OR BCS OR CHI OR FRE OR GER
OR GRK OR HEB OR HIN OR JPN OR
KOR OR LAT OR MAK OR PLC OR
POR OR ROM OR RUS OR SLC OR
SLV OR SPA OR THA OR VTN Elective

ASB 480: Principles of Linguistics (SB)

ASB 481: Language and Culture (SB)

ASB 483: Sociolinguistics and the
Ethnography of Communication (SB)

APH 300: World Architecture I/Western
Cultures (HU & H & G)

APH 336: 20th-Century Architecture I
(HU)

APH 337: 20th-Century Architecture II
(HU)

ARS 101: Art from Prehistory Through
Middle Ages (HU & H)

ARS 102: Art from Renaissance to
Present (HU & H)

ARS 310: The Renaissance in Tuscany

ARS 410: Early Christian and Byzantine
Art (HU)

ARS 412: Early Medieval Art (HU)

ARS 414: Romanesque Art (HU & H)

ARS 416: Gothic Art (HU & H)

ARS 422: Italian High Renaissance Art
and Mannerism (HU)

ARS 424: Italian Baroque Art (HU & H)

ARS 434: Art and Visual Culture of 19th
Century (HU)

ARS 436: The Artist, War, and
Revolution (Versailles to Vietnam) (HU)

ARS 438: Art of the 20th Century I (HU
& H)

ARS 439: Art of the 20th Century II (HU
& H)

COM 263: Elements of Intercultural
Communication (SB & C & G)

COM 371: Language, Culture, and
Communication (SB & C & G)

DCE 300: Moving Histories (HU)

DCE 402: Ethnography of Dance
Practices ((L or HU) & G)

ENG 201: World Literature (HU & H &
G)

ENG 202: World Literature (HU & H)

ENG 213: Introduction to the Study of
Language

GCU 121: World Geography (SB & G)

GCU 253: Introduction to Cultural and
Historical Geography (SB & G)

GCU 325: Geography of Europe (SB &
G)

GCU 359: Cities of the World I (SB & G
& H)

GCU 360: Cities of the World II (SB & G)

HST 101: Global History Since 1500 (HU
& H & G)

HST 102: Western Civilization: Ancient
and Medieval Europe (SB & H)

HST 103: Western Civilization:
Renaissance to Enlightenment ((HU or
SB) & H)

HST 104: Western Civilization: French
Revolution to European Union ((HU or
SB) & G & H)

HST 304: Studies in European History
(SB & H)

HST 348: Rome (SB & H)

HST 349: Early Middle Ages ((HU or SB)
& H)

HST 350: Later Middle Ages ((HU or SB)
& H)

HST 351: Renaissance Europe ((L or HU
or SB) & H)

HST 352: Europe's Reformations ((L or
HU or SB) & H)

HST 353: Old Regime in Europe (SB &
H)

HST 354: Revolutionary Europe (SB &
H)

HST 355: Total War and the Crisis of
Modernity (SB & G & H)

HST 356: Europe since 1945 (SB & G &
H)

HST 368: Culture and Imagination in
European History (HU & H)

HST 465: Women in Europe, 1750 to
Present ((L or HU or SB) & H)

JUS 415: Gender and International
Development (L & G)

MHL 344: Music in World Cultures (HU & G)

PHI 329: History of Modern Philosophy (HU & H)

PHI 331: Philosophy of Language (HU)

PHI 401: Rationalism

PHI 402: Empiricism (HU)

POS 150: Comparative Government (SB & G)

POS 160: Global Politics (SB & G)

POS 260: Current Issues in International Politics ((L or SB) & G)

POS 340: History of Political Philosophy I (HU & H)

POS 341: History of Political Philosophy II (HU & H)

POS 356: European Union (SB & G)

POS 360: World Politics (SB & G)

POS 465: International Organization and Law (SB & G)

POS 467: International Security (SB & G)

POS 486: International Political Economy (SB & G)

REL 100: Religions of the World (HU & G)

REL 201: Religion and the Modern World (L or HU)

REL 203: Saints and Sinners: Explorations in Sacred Biography (HU & H)

REL 270: Introduction to Christianity (HU)

REL 372: Formation of the Christian Tradition (HU & H)

REL 385: Contemporary Western Religious Thought (HU)

REL 470: Religion in the Middle Ages (HU & H)

REL 471: Reformation and Modern Christianity (HU & H)

SGS 101: Thinking Globally: The Individual and Authority (SB)

SGS 203: Contemporary Global Trends (SB & G)

THE 404: World Cinema (G)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 120 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Jewish Studies, BA

College of Liberal Arts and Sciences
Tempe campus
LAJSTBA

Term 1 0 - 14 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
LIA 101: Student Success in the College of Liberal Arts and Sciences		1		
MAT 142: College Mathematics (MA)		3	C	
Second Language: Requirement satisfied through the following: * Completion of Modern or Biblical Hebrew at the intermediate level (202 or equivalent).		4	C	
Elective		3		
 Maintain 2.50 GPA in Critical Tracking Courses.				
Term hours subtotal:		14		
Term 2 15 - 30 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Second Language: Requirement satisfied through the following: * Completion of Modern or Biblical Hebrew at the intermediate level (202 or equivalent).		4	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)		3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)		4		
Elective		2		
 Maintain 2.50 GPA in Critical Tracking Courses.				
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		16		
Term 3 31 - 46 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 JST 210: Introduction to Judaism ((L or HU) & H) or REL 210: Introduction to Judaism ((L or HU) & H) OR HST 230: Introduction to Jewish Civilization or JST 230: Introduction to Jewish Civilization (HU & H & G) or REL 230: Introduction to Jewish Civilization		3	C	
Primary Concentration course		3	C	
Second Language: Requirement satisfied through the following: * Completion of Modern or Biblical Hebrew at the intermediate level (202 or equivalent).		4	C	
Computer/Statistics/Quantitative Applications (CS)		3		

Elective	3
⚠ Complete Mathematics (MA) requirement.	
⚠ Maintain 2.50 GPA in Critical Tracking Courses.	
Complete First-Year Composition requirement.	
Term hours subtotal:	16

Term 4 47 - 60 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ Course outside primary concentration AND Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3	C	
Primary Concentration course	3	C	
Second Language: Requirement satisfied through the following: * Completion of Modern or Biblical Hebrew at the intermediate level (202 or equivalent).	4	C	
Natural Science - Quantitative (SQ)	4		
⚠ Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Primary Concentration course	3	C	
Upper Division Related Area Course	3	C	
Related Area Course	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Primary Concentration course	3	C	
Upper Division Course outside primary concentration	3	C	
Upper Division Related Area Course	3	C	
Related Area Course	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Primary Concentration course	3	C	
Upper Division Course outside primary concentration	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JST 491: History of Anti-Semitism or JST 495: Judaism, Science and World Religions or JST 496: Biblical Narratives: Literary Approaches	3	C	Jewish Studies Capstone Course: Students in the Religion and Thought Track will complete JST 491; students in the History and Society Track will complete JST 495; students in the Literature and Culture Track will complete JST 496
Upper Division Related Area Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

- Students must choose one of the three concentrations as the primary concentration and take 15 hours of course work from that concentration. For the 9 hours of outside primary concentration, students may select from courses in the other two concentration areas.

Religion and Thought Concentration

HEB 375: Contemporary Culture of Israel (HU & G)

HST 211: American Jewish History (SB & H)

HST 314: American Cultural History Since 1865 ((HU or SB) & H)

JST 210: Introduction to Judaism ((L or HU) & H) or REL 210: Introduction to Judaism ((L or HU) & H)

JST 318: Contemporary American Jewish Identities ((HU or SB) & C)

REL 207: Ritual, Symbol, and Myth (L or HU)

REL 315: Hebrew Bible (Old Testament) ((L or HU) & H)

REL 317: Introduction to Rabbinic Judaism (HU & H)

REL 373: Women in Judaism

REL 314: Jewish Philosophy or HST 390: Jewish Philosophy or JST 314: Jewish Philosophy or PHI 390: Jewish Philosophy

REL 391: Historical Perspectives on Philosophy and Religion or HST 357: Historical Perspectives on Philosophy and Religion or PHI 391: Historical Perspectives on Philosophy and Religion

History and Society Concentration

FMS 486: Holocaust on Film

HEB 375: Contemporary Culture of Israel (HU & G)

HST 211: American Jewish History (SB & H)

HST 230: Introduction to Jewish Civilization or JST 230: Introduction to Jewish Civilization (HU & H & G)

HST 304: East European Jewish History (SB & H), History of Jewish Mysticism (SB & H), Shoah: History, Memory, and Representation (SB & H)

HST 358: Jewish History from the Bible to 1492 (SB & H)

HST 359: Jewish History from 1492 to 1948 (SB & G & H)

HST 372: Modern Middle East (SB & G & H)

JST 210: Introduction to Judaism ((L or HU)& H) or REL 210: Introduction to Judaism ((L or HU) & H)

JUS 452: Justice Issues in Israel and Palestine: The Political is Personal

REL 318: Contemporary American Jewish Identities ((HU or SB) & C)

REL 391: Historical Perspectives on Philosophy and Religion or HST 357: Historical Perspectives on Philosophy and Religion or PHI 391: Historical Perspectives on Philosophy and Religion

REL 405: Race & Religion in the Americas , Religion and Modern Global Politics

REL 410: Judaism in Modern Times (HU & H)

Literature and Culture Concentration

ENG 356: The Bible as Literature (HU)

FMS 313: Anti-Semitism in the Media

HEB 375: Contemporary Culture of Israel (HU & G)

HST 211: American Jewish History (SB & H)

JST 210: Introduction to Judaism ((L or HU)& H) or REL 210: Introduction to Judaism ((L or HU) & H)

JST 230: Introduction to Jewish Civilization (HU & H & G)

JST 317: Introduction to Rabbinic Judaism (HU & H)

JST 318: Contemporary American Jewish Identities ((HU or SB) & C)

REL 314: Jewish Philosophy or HST 390: Jewish Philosophy or PHI 390: Jewish Philosophy

REL 384: The Bible and Archaeological Discoveries

REL 396: Women in the Bible

REL 405: Aspects of Secular Judaism , Collective Memory & Identity , Emotions in Hebrew Bible: Narr on Being Human

Related Area

AFR 200: Introduction to African and African Diaspora Studies (SB & G & H)

AFR 301: Race and Racism in
Africa/African Diaspora (SB & G)

AFR 312: Contemporary African and
African Diaspora Women

AFR 318: African and African Diaspora
Women Writers (HU & G)

AFR 332: Life and Death in Ancient
Egypt

AFR 360: Black Families in the Diaspora:
U.S. and Caribbean (SB & C)

AFR 370: Family, Ethnic and Cultural
Diversity (SB & C)

AFR 375: Race, Gender and Sport (SB &
C)

ARS 402: Art of Ancient Egypt (HU & H)

ASB 430: Social Simulation (CS)

CRJ 100: Introduction to Criminal Justice
(SB)

CRJ 306: Race, Ethnicity, Crime, and
Criminal Justice (C)

CRJ 350: Law and Social Control (SB)

ENG 423: Revenge Tragedies (L or HU)

ENG 430: 19th C British Culture
Background (L or HU), Culture and
Empire (L or HU), Empire and Culture (L
or HU), Imagin and Class (L or HU),
Pre-Raphael & Victorian Poetry (L or
HU), Pre-Raphaelites (L or HU),
Self-Culture (L or HU), Spectcl of Loss
19th Cent (L or HU), Victorian
Masculinities (L or HU), Victorian
Sexuality (L or HU), Victorians and
Problem of (L or HU)

FMS 487: Religion and Film

GCU 328: Geography of Middle East and
North Africa (SB & G)

HST 306: The Civil Rights Movement
((HU or SB) & H), US: Origins Civil
Rights U.S. Law ((HU or SB) & H), US:
War and American Memory ((HU or SB)
& H)

IAS 401: Sacred Scriptures and Social
Choices (HU & G)

JUS 320: Community and Social Justice
(SB & C)

JUS 352: The Global Politics of Human
Rights

JUS 360: Law and Social Control (SB)

JUS 374: The Holocaust, Genocide, and
Human Rights

JUS 425: Race, Gender, and Justice ((L or
SB) & C)

JUS 430: Social Protest, Conflict, and
Change ((L or SB) & C)

JUS 438: Human Differences: Dilemmas
of Justice ((L or HU) & C)

JUS 467: Terrorism, War, and Justice (SB)

PHI 336: Social and Political Philosophy (HU)

PSY 350: Social Psychology (SB)

PSY 451: Stereotyping, Prejudice, and Discrimination (L)

REL 320: American Religious Traditions (HU & C & H)

REL 321: Religion in America ((L or HU) & C & H)

REL 323: African American Religion: A Biographical Approach (HU & C)

REL 326: U.S. Latino Religion and Culture (HU & C)

REL 381: Religion and Moral Issues (L or HU)

REL 405: Collective Memory & Identity , Critical Approaches-Religious Ethnography , Religion and Human Rights

REL 420: Religion in American Life and Thought (HU)

SOC 241: Modern Social Problems (SB)

SOC 457: Global Social Movements (SB & G)

SSH 400: Poverty, Social Justice, and Global Health ((L or SB) & G)

SWU 374: Diversity and Oppression in a Social Work Context (C)

THP 482: Theatre for Social Change (C)

WST 375: Women and Social Change (SB & C)

WST 475: Women of the Diaspora across Cultures (HU)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Justice Studies, BS**

College of Liberal Arts and Sciences
LAJUSBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 JUS 105: Introduction to Justice Studies (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement into a mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • All freshmen are required to pass a First Year Seminar and/or an academic success class and therefore must enroll in an Academic Success block
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences OR JUS 191: First-Year Seminar	1		
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
JUS Elective	3	C	
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 215: Strategies of Academic Writing (L) OR ENG 216: Persuasive Writing on Public Issues (L) OR ENG 217: Writing Reflective Essays (L) OR ENG 218: Writing About Literature (L or HU) OR ENG 301: Writing for the Professions (L)	3	C	
CLAS Science and Society Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		

Elective	3
🚩 Complete First-Year Composition requirement.	
🚩 Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 49 - 63 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 JUS 303: Justice Theory	3	C	
JUS 3** Elective	3	C	
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ JUS 301: Research in Justice Studies (SB)	3	C	• 24 credit hours completed and 2.00 ASU cumulative GPA required to enroll in JUS 300-level elective courses
⭐ Upper Division JUS Related Area	3	C	
JUS 302: Statistical Analysis for Justice Studies (CS)	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ Complete 2 courses: Upper Division JUS Related Area	6	C	• 24 credit hours completed and 2.00 ASU cumulative GPA required to enroll in JUS 300-level elective courses
JUS 3** Elective	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ Complete 2 courses: JUS 4** Elective	6	C	• 2.00 ASU cumulative GPA required to enroll in JUS 400-level elective courses
Upper Division JUS Related Area	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ 4** JUS course (L)	3	C	• 2.00 ASU cumulative GPA required to enroll in JUS 400-level elective courses
Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.
- All Justice Studies online students must complete 12 upper division (300-499) in a related area other than JUS courses. To find which courses may be used to fill the Major Related Area requirement, please go to <http://sst.clas.asu.edu/justice-related>. The related area courses may not be used concurrently in the major. However, in order to facilitate and encourage the student's completion of a minor, approved courses for the related area may be used in the minor.

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Justice Studies, BS**

College of Liberal Arts and Sciences

Online
LAJUSBS

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 JUS 105: Introduction to Justice Studies (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
ASU 101: The ASU Experience	1		
Term hours subtotal:	7		
Term 1 - B 8 - 13 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	
Elective	3		
Term hours subtotal:	6		
Term 2 - A 14 - 20 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 2 - B 21 - 26 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
JUS Elective	3	C	
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 27 - 33 Credit Hours	Hours	Minimum Grade	Notes
ENG 215: Strategies of Academic Writing (L) or ENG 216: Persuasive Writing on Public Issues (L) or ENG 217: Writing Reflective Essays (L) or	3	C	

ENG 218: Writing About Literature (L or HU) or
ENG 301: Writing for the Professions (L)

Natural Science - Quantitative (SQ) OR
Natural Science - General (SG)

4

Term hours subtotal: 7

Term 3 - B	34 - 39 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes

Humanities, Arts and Design (HU)

3

Elective

3

 Complete Mathematics (MA) requirement.

 Complete First-Year Composition requirement.

Term hours subtotal: 6

Term 4 - A	40 - 45 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes

 JUS 302: Statistical Analysis for Justice Studies (CS)

3

C

Global Awareness (G)

3

Term hours subtotal: 6

Term 4 - B	46 - 51 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes

 JUS 303: Justice Theory

3

C

Humanities, Arts and Design (HU)

3

Term hours subtotal: 6

Term 5 - A	52 - 57 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes

 JUS 301: Research in Justice Studies (SB)

3

C

CLAS Science and Society Elective

3

C

Term hours subtotal: 6

Term 5 - B	58 - 63 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes

 Upper Division Related Area Course

3

C

JUS 3** Elective

3

C

Term hours subtotal: 6

- For JUS 3** students cannot use JUS 301, 302, 303, or 305.

Term 6 - A	64 - 69 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes

 JUS 3** Elective

3

C

Upper Division Related Area Course

3

C

Term hours subtotal: 6

- For JUS 3** students cannot use JUS 301, 302, 303, or 305.

Term 6 - B	70 - 75 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes

★ Upper Division Related Area Course	3	C
Upper Division CLAS Science and Society Elective	3	C
Term hours subtotal:	6	

Term 7 - A 76 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JUS 4** Elective	3	C	• For JUS 4** students cannot use JUS 484, 492, 498, or 499.
Elective	3		
Term hours subtotal:	6		

Term 7 - B 82 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JUS 4** Elective	3	C	• For JUS 4** students cannot use JUS 484, 492, 498, or 499.
Upper Division Related Area Course	3	C	
Term hours subtotal:	6		

Term 8 - A 88 - 93 Credit Hours	Hours	Minimum Grade	Notes
Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	6		

Term 8 - B 94 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ JUS 4** Elective AND Upper Division Literacy and Critical Inquiry (L)	3	C	• For JUS 4** students cannot use JUS 484, 492, 498, or 499.
Elective	3		
Term hours subtotal:	6		

Term 9 - A 100 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Cultural Diversity in the U.S. (C)	3		
Elective	3		
Term hours subtotal:	6		

Term 9 - B 106 - 111 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	6		

Term 10 - A 112 - 117 Credit Hours	Hours	Minimum Grade	Notes
Elective	6		
Term hours subtotal:	6		

Minimum

Term 10 - B	118 - 120 Credit Hours	Necessary course signified by ★	Hours	Grade	Notes
★ Upper Division Elective			3		
Term hours subtotal:			3		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.
- All Justice Studies online students must complete 12 upper division (300-499) in a related area other than JUS courses. To find which courses may be used to fill the Major Related Area requirement, please go to <http://sst.clas.asu.edu/justice-related>. The related area courses may not be used concurrently in the major. However, in order to facilitate and encourage the student's completion of a minor, approved courses for the related area may be used in the minor.

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Mathematics, BA

College of Liberal Arts and Sciences

Tempe campus

LAMATBA

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS) or CSE 100: Principles of Programming with C++ (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 191: First-Year Seminar OR LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
PHI 103: Principles of Sound Reasoning (L or HU) OR Literacy and Critical Inquiry (L)	3		
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. • Meet with your academic advisor to discuss summer
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) OR Natural Science - Quantitative (SQ)	4	C	

❗ Complete First-Year Composition requirement.

Complete Mathematics (MA) requirement.

Maintain 2.50 GPA in Critical Tracking Courses.

Term hours subtotal: 15

internship and/or Research Opportunities for Undergraduates (REU)

Term 4 47 - 62 Credit Hours **Critical course signified by** ❗

Hours

Minimum Grade

Notes

❗ MAT 243: Discrete Mathematical Structures OR
MAT 300: Mathematical Structures (L)

3

C

❗ MAT 342: Linear Algebra or
MAT 343: Applied Linear Algebra

3

C

Second Language: Requirement satisfied through the following:
* Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.

4

C

Humanities, Arts and Design (HU) AND Historical Awareness (H)

3

Social-Behavioral Sciences (SB) AND Global Awareness (G)

3

Maintain 2.50 GPA in Critical Tracking Courses.

Term hours subtotal: 16

- Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.

Term 5 63 - 78 Credit Hours **Necessary course signified by** ★

Hours

Minimum Grade

Notes

★ Additional Course in the Major (ACT, MAT or STP)

3

C

MAT 370: Intermediate Calculus or
MAT 371: Advanced Calculus I

3

C

Related Field

3

C

Natural Science - Quantitative (SQ) OR
Natural Science - General (SG)

4

Upper Division Elective

3

Term hours subtotal: 16

- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.
- Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.

Term 6 79 - 93 Credit Hours **Necessary course signified by** ★

Hours

Minimum Grade

Notes

★ Complete 2 courses:
Upper Division Additional Course in the Major (ACT, MAT or STP)

6

C

MAT 300: Mathematical Structures (L) OR Upper Division Literacy and Critical Inquiry (L)

3

Upper Division Humanities, Arts and Design (HU) OR
Upper Division Social-Behavioral Sciences (SB)

3

Upper Division Elective

3

Term hours subtotal: 15

- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.
- Meet with a career counselor from ASU Career Services for a review of your resume and interviewing tips for success.

Term 7 94 - 108 Credit Hours **Necessary course signified by** ★

Hours

Minimum Grade

Notes

★ Upper Division Additional Course in the Major (ACT, MAT or STP)

3

C

Related Field

3

C

Social-Behavioral Sciences (SB)

3

Complete 2 courses:

Upper Division Elective

6

- Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation.

Term hours subtotal: 15

- Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Additional Course in the Major (ACT, MAT or STP)	3	C	• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. • Meet with your academic advisor for final degree check and apply for graduation through your My ASU.
Complete 2 courses: Upper Division Related Field	6	C	
Upper Division Elective	3		
Term hours subtotal:	12		

Related Field

CHM 341: Elementary Physical Chemistry

CHM 343: Elementary Physical Chemistry Laboratory

CHM 345: Physical Chemistry I

CHM 346: Physical Chemistry II

CHM 348: Physical Chemistry Laboratory I (L)

CHM 349: Physical Chemistry Laboratory II (L)

CHM 453: Inorganic Chemistry

CHM 460: Biological Chemistry

CHM 471: Solid-State Chemistry

GLG 418: Geophysics

GLG 419: Geodynamics

GLG 470: Hydrogeology

GLG 481: Geochemistry

PHI 333: Introduction to Symbolic Logic

PHI 413: Advanced Symbolic Logic

PHY 121: University Physics I: Mechanics (SQ)

PHY 122: University Physics Laboratory I (SQ)

PHY 131: University Physics II: Electricity and Magnetism (SQ)

PHY 132: University Physics Laboratory II (SQ)

PHY 150: Physics I (SQ)

PHY 151: Physics II (SQ)

AST Upper Division Elective

BME Upper Division Elective

BCH 4** Elective

CEE Upper Division Elective

CHE Elective

CIS 2** Elective

CIS Upper Division Elective

CSE Elective

ECE 2** Elective

ECE 3** Elective

ECN Upper Division Elective

EEE Elective

FIN Upper Division Elective

IEE Upper Division Elective

MAE Elective

MAT Upper Division Elective

MSE Elective

PHY 2** Elective

PHY Upper Division Elective

STP Upper Division Elective

Additional Course in the Major (ACT,
MAT or STP)

ACT 415: Probability for Risk
Management

MAT 243: Discrete Mathematical
Structures

MAT 274: Elementary Differential
Equations (MA) or MAT 275: Modern
Differential Equations (MA)

MAT Upper Division Elective

STP 4** Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Mathematics, BS**

College of Liberal Arts and Sciences

 Tempe campus
LAMATBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 191: First-Year Seminar or LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Elective	3		
Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	• Meet with your academic advisor to reflect on your first year of classes and map our coursework towards a timely graduation.
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHI 103: Principles of Sound Reasoning (L or HU) OR Literacy and Critical Inquiry (L)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. • Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU)
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Complete 2 courses: Elective	6		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Maintain 3.00 GPA in Critical Tracking Courses.			

Term hours subtotal: 16

Term 4 47 - 62 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 300: Mathematical Structures (L)	3	C	• Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.
 MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
CLAS Science and Society Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB)	3		
Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 63 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MAT 371: Advanced Calculus I	3	C	• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. • Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.
 Upper Division Additional Course	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) OR Natural Science - Quantitative (SQ)	4	C	
Term hours subtotal:	16		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Additional Course	3	C	• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. • Meet with a career counselor from ASU Career Services for a review of your resume and interviewing tips for success.
 Upper Division Depth Course	3	C	
Upper Division Related Field	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Advanced Courses	3	C	• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. • Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.
 Upper Division Depth Course	3	C	
Upper Division Related Field	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Additional Course	3	C	• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. • Meet with your academic advisor for final degree check and apply for graduation through your My ASU.
★ Upper Division Advanced Courses	3	C	
Upper Division Related Field	3	C	
Related Field	1-4	C	
Elective	2		
Term hours subtotal:		12-15	

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Related Field
CHM 341: Elementary Physical Chemistry
CHM 343: Elementary Physical Chemistry Laboratory
CHM 345: Physical Chemistry I
CHM 346: Physical Chemistry II
CHM 348: Physical Chemistry Laboratory I (L)
CHM 349: Physical Chemistry Laboratory II (L)
CHM 453: Inorganic Chemistry
CHM 460: Biological Chemistry
CHM 471: Solid-State Chemistry
GLG 418: Geophysics
GLG 419: Geodynamics
GLG 470: Hydrogeology
GLG 481: Geochemistry
PHI 333: Introduction to Symbolic Logic
PHI 413: Advanced Symbolic Logic
PHY 121: University Physics I: Mechanics (SQ)
PHY 122: University Physics Laboratory I (SQ)
PHY 131: University Physics II: Electricity and Magnetism (SQ)
PHY 132: University Physics Laboratory II (SQ)
PHY 150: Physics I (SQ)

PHY 151: Physics II (SQ)

AST Upper Division Elective

BCH 4** Elective

BME Upper Division Elective

CEE Upper Division Elective

CHE Elective

CIS 2** Elective

CIS Upper Division Elective

CSE Elective

ECE 2** Elective

ECE 3** Elective

ECN Upper Division Elective

EEE Elective

FIN Upper Division Elective

IEE Upper Division Elective

MAE Elective

MAT Upper Division Elective

MSE Elective

PHY 2** Elective

PHY Upper Division Elective

STP Upper Division Elective

Depth Courses

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 423: Numerical Analysis I (CS)

MAT 425: Numerical Analysis II (CS)

MAT 442: Advanced Linear Algebra

MAT 444: Intermediate Abstract Algebra

MAT 472: Intermediate Real Analysis I

MAT 473: Intermediate Real Analysis II

MAT 475: Differential Equations

MAT 476: Partial Differential Equations

STP 421: Probability

STP 427: Mathematical Statistics

Advanced Courses

MAT 372: Advanced Calculus II

MAT 410: Introduction to General
Topology

MAT 415: Introduction to Combinatorics

MAT 416: Introduction to Graph Theory

MAT 419: Introduction to Linear
Optimization (CS)

MAT 420: Scientific Computing

MAT 421: Applied Computational
Methods (CS)

MAT 423: Numerical Analysis I (CS)

MAT 425: Numerical Analysis II (CS)

MAT 442: Advanced Linear Algebra

MAT 443: Introduction to Abstract
Algebra

MAT 444: Intermediate Abstract Algebra

MAT 445: Theory of Numbers

MAT 447: Cryptography

MAT 451: Mathematical Modeling (CS)

MAT 452: Introduction to Chaos and
Nonlinear Dynamics

MAT 461: Applied Complex Analysis

MAT 462: Applied Partial Differential
Equations

MAT 472: Intermediate Real Analysis I

MAT 475: Differential Equations

MAT 476: Partial Differential Equations

STP 420: Introductory Applied Statistics
(CS)

STP 421: Probability

STP 425: Stochastic Processes

STP 427: Mathematical Statistics

STP 429: Experimental Statistics (CS)

Additional Course

MAT 243: Discrete Mathematical
Structures

MAT 274: Elementary Differential
Equations (MA) or MAT 275: Modern
Differential Equations (MA)

MAT Upper Division Elective

STP Upper Division Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Mathematics (Secondary Education), BS

College of Liberal Arts and Sciences

Tempe campus
LAMATSBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 208: Discrete Mathematics for Secondary Teachers	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into First-Year Composition courses • ASU Math Placement Exam score determines placement into Mathematics course • ASU 101 or College Specific equivalent First Year Seminar required of all freshman students. • Review timeline to teaching online at http://education.asu.edu/programs/timeline
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 191: First-Year Seminar or LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:		15	

Term 2 16 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 207: Algebra and Geometry in the High School	3	C	• MTE 210 counts as field experience on ASU campus.
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
 MTE 210: Mentored Tutoring Internship	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 3.00 GPA in Critical Tracking Courses.			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		14	

Term 3 30 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	• Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU)
 MTE 250: Technology and Mathematical Visualization	3	C	
BLE 220: Foundations of Structured English Immersion	3	C	
CLAS Science and Society Elective	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete First-Year Composition requirement.			

⚠ Maintain 3.00 GPA in Critical Tracking Courses.
⚠ Milestone: Submit intent to progress form (online)
Complete Mathematics (MA) requirement.
Term hours subtotal: 16

Term 4 46 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ MAT 300: Mathematical Structures (L)	3	C	• Meet with a career counselor from ASU Career Services for a review of your resume and interviewing tips for success.
⚠ MAT 310: Introduction to Geometry	3	C	
⚠ MAT 342: Linear Algebra OR MAT 343: Applied Linear Algebra	3	C	
MTE 320: Conceptual Foundations of 7-12 Mathematics Curricula and Assessment	3	C	
Natural Science - Quantitative (SQ)	4		
⚠ Milestone: Apply for DPS Fingerprint Clearance Card.			
⚠ Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 371: Advanced Calculus I	3	C	
★ MTE 430: The Development of Mathematical Thinking	3	C	
MAT 274: Elementary Differential Equations (MA) OR MAT 275: Modern Differential Equations (MA) OR MAT OR STP Upper Division Elective	3	C	
EDP 313: Childhood and Adolescence (SB) or TEL 315: Child and Adolescent Development (L or SB)	3	C	
Humanities, Arts and Design (HU)	3		
★ Milestone: Must attend an iTeachAZ Enrollment Workshop			
★ Milestone: DPS fingerprint clearance card on file with MLFTC advising office (to be uploaded with iTeachAZ application)			
Term hours subtotal:	15		

Term 6 77 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students	3	C	
★ SED 396: Clinical Experience I	1	Y	
★ STP 420: Introductory Applied Statistics (CS)	3	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
MAT 415: Introduction to Combinatorics OR MAT 416: Introduction to Graph Theory	3	C	
MAT 4** Elective or STP 4** Elective	3	C	
Term hours subtotal:	16		

Minimum

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ MTE 482: Methods of Teaching Mathematics in Secondary School	3	C	• Register for the AEPA exams for secondary mathematics and professional knowledge (NES). • HST 109 United States to 1865 (HU, H) recommended. Not required for graduation; does meet AZ DOE's requirements. • Meet with your academic advisor for final degree check and apply for graduation through your My ASU.
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 496: Clinical Experience III	1	Y	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
HST 109: United States to 1865 ((HU or SB) & H) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
MAT 443: Introduction to Abstract Algebra OR MAT 445: Theory of Numbers	3	C	
Term hours subtotal:	16		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching in the Secondary School	8	Y	• Meet with your academic advisor for final degree check and apply for graduation through your My ASU. • POS 211 Arizona Constitution and Government recommended. Not required for graduation; does meet AZ DOE's requirements.
Upper Division CLAS Science and Society Elective	3	C	
POS 211: Arizona Constitution and Government OR Elective	1-2		
Term hours subtotal:	12-13		

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Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.50 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

Total Community College Hrs: 64
maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Mathematics (Statistics), BS

College of Liberal Arts and Sciences

Tempe campus
LAMATTBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 110: Principles of Programming with Java (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 191: First-Year Seminar OR LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Elective	3		
Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	• Meet with your academic advisor to reflect on your first year of classes and map our coursework towards a timely graduation.
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	• Meet with your academic advisor to discuss summer internship and/or Research Opportunities for Undergraduates (REU)
 STP 420: Introductory Applied Statistics (CS)	3	C	
PHI 103: Principles of Sound Reasoning (L or HU) OR Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			
Maintain 3.00 GPA in Critical Tracking Courses.			

Term hours subtotal: 14

Term 4 45 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 300: Mathematical Structures (L)	3	C	• Meet with your academic advisor to discuss options for adding a minor, certificate, or concurrent major to your degree program.
 MAT 342: Linear Algebra or MAT 343: Applied Linear Algebra	3	C	
 STP 429: Experimental Statistics (CS)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Maintain 3.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MAT 371: Advanced Calculus I	3	C	• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. • Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.
STP 421: Probability	3	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 STP 427: Mathematical Statistics	3	C	• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. • Meet with a career counselor from ASU Career Services for a review of your resume and interviewing tips for success.
 MAT or STP Advanced Course	3	C	
Upper Division Related Field	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division MAT or STP Advanced Course	3	C	• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. • Meet with your academic advisor to discuss post-graduation plans, e.g. graduate school, career preparation.
Upper Division CLAS Science and Society Elective	3	C	
Related Field Course	3	C	
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★		Hours	Minimum Grade	Notes
★ Upper Division MAT or STP Advanced Course		3	C	• Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation. • Meet with your academic advisor for final degree check and apply for graduation through your My ASU.
Related Field Course		4	C	
Upper Division Elective		3		
Complete 2 courses: Elective		5		
Term hours subtotal:		15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Related Field
CHM 341: Elementary Physical Chemistry
CHM 343: Elementary Physical Chemistry Laboratory
CHM 345: Physical Chemistry I
CHM 346: Physical Chemistry II
CHM 348: Physical Chemistry Laboratory I (L)
CHM 349: Physical Chemistry Laboratory II (L)
CHM 453: Inorganic Chemistry
CHM 460: Biological Chemistry
CHM 471: Solid-State Chemistry
GLG 418: Geophysics
GLG 419: Geodynamics
GLG 470: Hydrogeology
GLG 481: Geochemistry
PHI 333: Introduction to Symbolic Logic
PHI 413: Advanced Symbolic Logic
PHY 121: University Physics I: Mechanics (SQ)
PHY 122: University Physics Laboratory I (SQ)
PHY 131: University Physics II: Electricity and Magnetism (SQ)
PHY 132: University Physics Laboratory II (SQ)
PHY 150: Physics I (SQ)

PHY 151: Physics II (SQ)

AST Upper Division Elective

BCH 4** Elective

BME Upper Division Elective

CEE Upper Division Elective

CHE Elective

CIS 2** Elective

CIS Upper Division Elective

CSE Elective

ECE 2** Elective

ECE 3** Elective

ECN Upper Division Elective

EEE Elective

FIN Upper Division Elective

IEE Upper Division Elective

MAE Elective

MAT Upper Division Elective

MSE Elective

PHY 2** Elective

PHY Upper Division Elective

STP Upper Division Elective

MAT or STP Advanced Course

MAT 275: Modern Differential Equations (MA) or MAT 274: Elementary Differential Equations (MA)

MAT 372: Advanced Calculus II

MAT 423: Numerical Analysis I (CS)

MAT 442: Advanced Linear Algebra

STP 425: Stochastic Processes

STP 4** Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Microbiology, BS

College of Liberal Arts and Sciences

Tempe campus
LAMICBS

Term 1 0 - 15 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 BIO 189: Life Sciences Career Paths		1		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • Students who do not place into MAT 170 or higher must meet with an advisor to develop a schedule to address remediation in order to get on track as soon as possible.
 BIO 281: Conceptual Approaches to Biology for Majors I		4	C	
CHM 113: General Chemistry I (SQ)		4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
STP 231: Statistics for Life Science (CS)		3	C	
Term hours subtotal:		15		
Term 2 16 - 32 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 BIO 282: Conceptual Approaches to Biology for Majors II		4	C	
 MAT 251: Calculus for Life Sciences (MA)		3	C	
CHM 116: General Chemistry II (SQ)		4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)		3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		17		
Term 3 33 - 46 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 BIO 340: General Genetics		4	C	• If CHM 233 and 237 are taken, then CHM 234 and 238 must be taken the following semester
CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ) OR CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I		4	C	
CLAS Science and Society Elective		3	C	

Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3
 Complete First-Year Composition requirement.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	14

- If CHM 231 and 235 are taken, then BCH 361 and 367 must be taken the following semester
- Students planning to attend medical school should take CHM 233 and CHM 237 this term

Term 4 47 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)	4	C	• If CHM 233 and 237 were previously taken, then CHM 234 and 238 must be taken this term • If CHM 231 and 235 were previously taken, then BCH 361 and 367 must be taken this term • Students planning to attend medical school must take CHM 234 and CHM 238 this term
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II OR BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory	4	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Term hours subtotal:	14		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MIC 302: Advanced Bacteriology Laboratory (L)	2	C	• Optimal time for Study Abroad, schedule an advising appointment at https://solsadvising.asu.edu to discuss Study Abroad options • Students planning to attend medical school will take PHY 111 and PHY 113 instead of PHY 101 this term
 MIC 360: Bacterial Physiology	3	C	
PHY 101: Introduction to Physics (SQ)	4	C	
Upper Division Additional Major Requirements	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Additional Major Requirements	3	C	• Optimal time for Study Abroad, schedule an advising appointment at https://solsadvising.asu.edu to discuss Study Abroad options • Students planning to attend medical school will take PHY 112 and PHY 114 this term instead of one of the electives listed
 Upper Division Major Microbiology/Immunology Elective Course	3-4	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15-16		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Major General Biology Elective Course	3-4	C	
Upper Division CLAS Science and Society Elective	3	C	

Complete 3 courses: 9
Upper Division Elective

Term hours subtotal: 15-16

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	MIC 401: RP:Senior Research Paper (L)		1	C	
	Upper Division Major Microbiology/ Immunology Elective Course OR Upper Division Major General Biology Elective Course		3-4	C	
	Complete 2 courses: Upper Division Elective		6		
	Complete 2 courses: Elective		5		
			Term hours subtotal:	15-16	

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Major General Biology Electives Courses - 3 credits required

BCH 361: Advanced Principles of Biochemistry

BIO 312: Bioethics (HU)

BIO 320: Fundamentals of Ecology

BIO 343: Genetic Engineering and Society (L)

BIO 345: Organic Evolution

BIO 351: Developmental Biology

BIO 353: Cell Biology

BIO 360: Animal Physiology

BIO 451: Cell Biotechnology Laboratory

BIO 455: Introduction to Comparative Genomics

Major Microbiology/Immunology Electives Courses - 3 credits required

MBB 445: Techniques in Molecular Biology/Genetics

MBB 446: Techniques in Molecular Biology/Genetics Lab

MIC 379: Medical Bacteriology

MIC 380: Medical Parasitology

MIC 394: Milestones in Microbiology, Special Topics

MIC 421: Experimental Immunology

MIC 426: Medical Immunology

MIC 427: Immunoneuropsychology:
Research Foundation (L)

MIC 428: Immunophilosophy

MIC 441: Bacterial Genetics

MIC 442: Bacterial Genetics Laboratory

MIC 445: Techniques in Molecular
Biology/Genetics

MIC 446: Techniques in Molecular
Biology/Genetics Lab

MIC 484: Internship

MIC 485: General Virology

MIC 494: Emerging Infectious Diseases

MIC 498: Viral Pathogenesis/Host Def

Additional Major Requirements- 6 credits
required

BIO 484: Internship

BIO 495: Undergraduate Research

MBB 445: Techniques in Molecular
Biology/Genetics

MBB 446: Techniques in Molecular
Biology/Genetics Lab

MBB 484: Internship

MBB 495: Undergraduate Research

MIC 420: Immunology: Molecular and
Cellular Foundations

MIC 421: Experimental Immunology

MIC 441: Bacterial Genetics

MIC 442: Bacterial Genetics Laboratory

MIC 445: Techniques in Molecular
Biology/Genetics

MIC 446: Techniques in Molecular
Biology/Genetics Lab

MIC 481: Pathogenic Microbes

MIC 484: Internship

MIC 495: Undergraduate Research

PLB 495: Undergraduate Research

PLB 484: Internship

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

Total hrs at ASU: 120 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Molecular Biosciences and Biotechnology, BS

College of Liberal Arts and Sciences

Tempe campus
LAMBBBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 281: Conceptual Approaches to Biology for Majors I	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • An ASU Math Placement on ALEKS of 50% or higher is needed to start in CHM 113
 BIO 189: Life Sciences Career Paths	1		
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
STP 231: Statistics for Life Science (CS)	3	C	
Term hours subtotal:	15		

Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 251: Calculus for Life Sciences (MA)	3	C	
 BIO 282: Conceptual Approaches to Biology for Majors II	4	C	
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MBB 347: Molecular Genetics: From Genes to Proteins	4	C	• Students planning to attend medical school will take CHM 233 and CHM 237 instead of CHM 231 and CHM 235 this term
 CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG)	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Complete First-Year Composition requirement.			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 15

Term 4 47 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MBB 343: Genetic Engineering and Society (L)	4	C	Students planning to attend medical school will take CHM 234 and CHM 238 instead of PHY 101 this term. PHY 111 and PHY 113 will then be taken in term 5
PHY 101: Introduction to Physics (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	14		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MBB 484: Internship OR MBB 495: Undergraduate Research	3	C	- Optimal time for Study Abroad, schedule an advising appointment at https://solsadvising.asu.edu to discuss Study Abroad options - Students planning to attend medical school will take PHY 111 and PHY 113 instead of the elective this term if it has not previously been taken - MBB 484 or MBB 495 requires the completion of an individualized instruction form and meeting with a faculty member before the semester begins. These are positions and research experience secured by the student on their own
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 76 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 MBB 484: Internship OR MBB 495: Undergraduate Research	3	C	- MBB 484 or 495 requires the completion of an individualized instruction form and meeting with a faculty member before the semester begins. These are positions and research experience secured by the student on their own. - Optimal time for Study Abroad, schedule an advising appointment at https://solsadvising.asu.edu to discuss Study Abroad options - Students planning to attend medical school will take PHY 112 and PHY 114 instead of the elective this term
BCH 361: Advanced Principles of Biochemistry AND BCH 367: Elementary Biochemistry Laboratory	4	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	16		

Term 7 92 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MBB 490: Capstone: Issues in Biotechnology (L)	2	C	
Upper Division Major Electives	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	14		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MBB 491: Capstone: Issues in Molecular Biosciences	2	C	
Upper Division Major Electives	4	C	
Complete 2 courses: Upper Division Elective	6		
Elective	3		
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Major Electives

MBB 350: Applied Genetics

MBB 440: Functional Genomics

MBB 444: Techniques in Functional Genomics

MBB 445: Techniques in Molecular Biology/Genetics AND MBB 446: Techniques in Molecular Biology/Genetics Lab

MIC 420: Immunology: Molecular and Cellular Foundations AND MIC 421: Experimental Immunology

MIC 441: Bacterial Genetics AND MIC 442: Bacterial Genetics Laboratory

MIC 481: Pathogenic Microbes

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum

General University Requirements Legend
 General Studies Core Requirements:

General Studies Awareness Requirements:
 • Cultural Diversity in the U.S. (C)

Cumulative GPA: 2.00 minimum
Total hrs at ASU: 120 minimum
**Hrs Resident Credit for
Academic Recognition:** 56 minimum
Total Community College Hrs: 64
maximum

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative
Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Philosophy, BA

College of Liberal Arts and Sciences
LAPHIBA

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 PHI Elective		3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences		1		
MAT 142: College Mathematics (MA)		3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
Elective		2		
Maintain 2.00 GPA in Critical Tracking Courses.				
Term hours subtotal:		16		
Term 2 17 - 30 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Natural Science - Quantitative (SQ)		4		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
Elective		3		
Maintain 2.00 GPA in Critical Tracking Courses.				
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		14		
Term 3 31 - 46 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
Computer/Statistics/Quantitative Applications (CS)		3		
Global Awareness (G)		3		
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)		3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
Elective		3		
 Complete Mathematics (MA) requirement.				
Complete First-Year Composition requirement.				

Maintain 2.00 GPA in Critical Tracking Courses.

Term hours subtotal: 16

Term 4 47 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHI Elective	3	C	• PHI 300 is open to Philosophy majors only, student must meet with advisor prior to enrolling
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PHI 300: Philosophical Argument and Exposition (L)	3	C	
 PHI 328: History of Ancient Philosophy (HU & H) OR PHI 329: History of Modern Philosophy (HU & H) OR PHI 401: Rationalism OR PHI 402: Empiricism (HU) or PHI 403: Contemporary Analytic Philosophy (HU)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PHI 328: History of Ancient Philosophy (HU & H) OR PHI 329: History of Modern Philosophy (HU & H) OR PHI 401: Rationalism OR PHI 402: Empiricism (HU) or PHI 403: Contemporary Analytic Philosophy (HU)	3	C	
 PHI 333: Symbolic Logic or PHI 413: Advanced Symbolic Logic	3	C	
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PHI 401: Rationalism OR PHI 402: Empiricism (HU) OR PHI 403: Contemporary Analytic Philosophy (HU) OR PHI 413: Advanced Symbolic Logic OR PHI 420: Topics in Philosophy	3	C	
PHI 330: Theory of Knowledge (HU) or PHI 313: Probability, Evidence, and Decision or PHI 314: Philosophy of Science (HU)	3	C	
PHI 335: History of Ethics (HU) or PHI 336: Social and Political Philosophy (HU) or PHI 337: Ethical Theory (HU) or PHI 338: Metaethics	3	C	

Complete 2 courses: Upper Division Elective		6		
Term hours subtotal:		15		
Term 8	106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
PHI 401: Rationalism OR ★ PHI 402: Empiricism (HU) OR PHI 403: Contemporary Analytic Philosophy (HU) OR PHI 413: Advanced Symbolic Logic OR PHI 420: Topics in Philosophy		3	C	
PHI 331: Philosophy of Language (HU) or PHI 332: Metaphysics (HU) or PHI 334: Philosophy of Mind (HU)		3	C	
Upper Division Elective		3		
Complete 2 courses: Elective		6		
Term hours subtotal:		15		

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 120 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Philosophy, BA**

College of Liberal Arts and Sciences

Online
LAPHIBA

Term 1 - A 1 - 6 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101: The ASU Experience	1		
Elective	2		
Term hours subtotal:	6		
Term 1 - B 7 - 12 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHI Elective	3	C	
MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	6		
Term 2 - A 13 - 19 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		
Term 2 - B 20 - 26 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 27 - 33 Credit Hours	Hours	Minimum Grade	Notes

Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
Computer/Statistics/Quantitative Applications (CS)	3	
Term hours subtotal:	7	

Term 3 - B 34 - 40 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C)	3		
 Complete Mathematics (MA) requirement.			
Complete First-Year Composition requirement.			
Term hours subtotal:	7		

Term 4 - A 41 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHI Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 4 - B 48 - 54 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		• PHI 300 is open to Philosophy majors only, student must meet with advisor prior to enrolling
Elective	3		
Term hours subtotal:	7		

Term 5 - A 55 - 60 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PHI 300: Philosophical Argument and Exposition (L)	3	C	
Global Awareness (G)	3		
Term hours subtotal:	6		

Term 5 - B 61 - 66 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PHI 328: History of Ancient Philosophy (HU & H) OR PHI 329: History of Modern Philosophy (HU & H) OR PHI 401: Rationalism OR PHI 402: Empiricism (HU) OR PHI 403: Contemporary Analytic Philosophy (HU)	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 6 - A 67 - 72 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
PHI 328: History of Ancient Philosophy (HU & H) OR PHI 329: History of Modern Philosophy (HU & H) OR 	3	C	

PHI 401: Rationalism OR
 PHI 402: Empiricism (HU) OR
 PHI 403: Contemporary Analytic Philosophy (HU)

Humanities, Arts and Design (HU) AND Historical Awareness (H) 3

Term hours subtotal: 6

Term 6 - B 73 - 78 Credit Hours	Hours	Minimum Grade	Notes

Literacy and Critical Inquiry (L) 3

Elective 3

Term hours subtotal: 6

Term 7 - A 79 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ PHI 333: Symbolic Logic OR
 PHI 413: Advanced Symbolic Logic 3 C

Elective 3

Term hours subtotal: 6

Term 7 - B 85 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ PHI 335: History of Ethics (HU) OR
 PHI 336: Social and Political Philosophy (HU) OR
 PHI 337: Ethical Theory (HU) OR
 PHI 338: Metaethics 3 C

★ PHI 313: Probability, Evidence, and Decision OR
 PHI 314: Philosophy of Science (HU) OR
 PHI 330: Theory of Knowledge (HU) 3 C

Term hours subtotal: 6

Term 8 - A 91 - 96 Credit Hours	Hours	Minimum Grade	Notes

Upper Division Elective 3

Elective 3

Term hours subtotal: 6

Term 8 - B 97 - 102 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ PHI 331: Philosophy of Language (HU) OR
 PHI 332: Metaphysics (HU) OR
 PHI 334: Philosophy of Mind (HU) 3 C

Upper Division Elective 3

Term hours subtotal: 6

Term 9 - A 103 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ Upper Division Capstone 3 C

Upper Division Elective 3

Term hours subtotal: 6

Term 9 - B 109 - 114 Credit Hours	Hours	Minimum Grade	Notes

Complete 2 courses: Upper Division Elective		6
Term hours subtotal:		6

Term 10 - A	115 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Capstone			3	C	
Upper Division Elective			3		
Term hours subtotal:			6		

Capstone
PHI 401: Rationalism
PHI 402: Empiricism (HU)
PHI 403: Contemporary Analytic Philosophy (HU)
PHI 413: Advanced Symbolic Logic
PHI 420: Topics in Philosophy

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend
 General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Physics, BA

College of Liberal Arts and Sciences

Tempe campus

LAPHYBA

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences OR PHY 191: First-Year Seminar	1		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
 Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 2 16 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	• PHY 121/122 and 131/132 may be used in place of PHY 150 and 151
 PHY 150: Physics I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	• PHY 121/122 and 131/132 may be used in place of PHY 150 and 151
 PHY 151: Physics II (SQ)	4	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
 Maintain 2.00 GPA in Critical Tracking Courses.			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 15

Term 4 46 - 62 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 201: Mathematical Methods in Physics I (CS)	3	C	PHY 121/122 and 131/132 may be used in place of PHY 150 and 151
 PHY 252: Physics III (SQ)	4	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
 Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	17		

Term 5 63 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PHY 302: Mathematical Methods in Physics II	3	C	
 PHY 310: Classical Particles, Fields, and Matter I	3	C	
PHY 314: Quantum Physics I	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	16		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PHY 311: Classical Particles, Fields, and Matter II	3	C	Courses other than those in the track list must be approved by the academic advisor in Physics.
Upper Division Physics Breadth Course	3	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Physics Breadth Course	3	C	Courses other than those in the track list must be approved by the academic advisor in Physics.
Complete 4 courses: Upper Division Elective	12		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Upper Division Elective	6		

Term hours subtotal: 12

Physics Breadth Course

PHY 480: Methods of Teaching Physics

PHY 484: Internship

PHY 495: Project Research

PHY 498: Pro-Seminar

PHY 499: Individualized Instruction

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120**Upper Division Hours:** 45 minimum**Major GPA:** 2.00 minimum**Cumulative GPA:** 2.00 minimum**Total hrs at ASU:** 120 minimum**Hrs Resident Credit for****Academic Recognition:** 56 minimum**Total Community College Hrs:** 64
maximum**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Physics - Option 1, BS**

College of Liberal Arts and Sciences
LAPHYBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • All freshman must pass an academic success course and therefore must enroll in an Academic Success Cluster or First-Year Seminar
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences OR PHY 191: First-Year Seminar	1		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
 Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	• PHY 121/122 and 131/132 may be used in place of PHY 150 and 151
 PHY 150: Physics I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	2		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	• PHY 121/122 and 131/132 may be used in place of PHY 150 and 151
 PHY 151: Physics II (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		

Elective	3
⚠️ Maintain 2.50 GPA in Critical Tracking Courses.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	17

Term 4 48 - 63 Credit Hours Critical course signified by ⚠️	Hours	Minimum Grade	Notes
⚠️ PHY 252: Physics III (SQ)	4	C	
PHY 201: Mathematical Methods in Physics I (CS)	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
⚠️ Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 302: Mathematical Methods in Physics II	3	C	
★ PHY 310: Classical Particles, Fields, and Matter I	3	C	
★ PHY 314: Quantum Physics I	3	C	
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 311: Classical Particles, Fields, and Matter II	3	C	
★ PHY 315: Quantum Physics II	3	C	
★ PHY 334: Advanced Laboratory I (L)	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 441: Statistical and Thermal Physics	3	C	
PHY 333: Electronic Circuits and Measurements or PHY 465: Advanced Laboratory II	3	C	
PHY 412: Classical Particles, Fields, and Matter III or PHY 416: Quantum Physics III	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY Upper Division Elective	3	C	
Complete 3 courses: Elective	9		
Term hours subtotal:	12		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Physics - Option 2, BS**

College of Liberal Arts and Sciences
LAPHYBS

Term 1	0 - 16 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	MAT 270: Calculus with Analytic Geometry I (MA)		4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • All freshman must pass on academic success course and therefore must enroll in an Academic Success Cluster or First Year Seminar
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
	LIA 101: Student Success in the College of Liberal Arts and Sciences OR PHY 191: First-Year Seminar		1		
	Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)		3		
	Social-Behavioral Sciences (SB)		3		
	Elective		2		
	Maintain 2.50 GPA in Critical Tracking Courses.				
		Term hours subtotal:	16		

Term 2 17 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	• PHY 121/122 and 131/132 may be used in place of PHY 150 and 151
 PHY 150: Physics I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:		14	

Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	• PHY 121/122 and 131/132 may be used in place of PHY 150 and 151
 PHY 151: Physics II (SQ)	4	C	
CLAS Science and Society Elective	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		

Complete Mathematics (MA) requirement.

⚠️ Maintain 2.50 GPA in Critical Tracking Courses.

Term hours subtotal: 17

Term 4	48 - 63 Credit Hours Critical course signified by ⚠️	Hours	Minimum Grade	Notes
⚠️	PHY 201: Mathematical Methods in Physics I (CS)	3	C	
⚠️	PHY 252: Physics III (SQ)	4	C	
	Related Area Course	3	C	
	Literacy and Critical Inquiry (L)	3		
	Elective	3		
⚠️	Maintain 2.50 GPA in Critical Tracking Courses.			
Term hours subtotal:		16		

Term 5	64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	PHY 302: Mathematical Methods in Physics II	3	C	
★	PHY 310: Classical Particles, Fields, and Matter I	3	C	
★	PHY 314: Quantum Physics I	3	C	
★	PHY 333: Electronic Circuits and Measurements	3	C	
	Upper Division CLAS Science and Society Elective	3	C	
Term hours subtotal:		15		

Term 6	79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	PHY 311: Classical Particles, Fields, and Matter II	3	C	
★	PHY 315: Quantum Physics II	3	C	
★	PHY 334: Advanced Laboratory I (L)	3	C	
	Related Area Course	3	C	
	Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:		15		

Term 7	94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★	PHY 441: Statistical and Thermal Physics	3	C	
	PHY 412: Classical Particles, Fields, and Matter III	3	C	
	Upper Division Elective	3		
	Complete 2 courses: Elective	6		
Term hours subtotal:		15		

Term 8	109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ Complete 2 courses: Upper Division Related Area Course	6	C
Upper Division Elective	3	
Elective	3	
Term hours subtotal:	12	

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Related Area Courses

BIO 181: General Biology I (SQ)

BIO 182: General Biology II (SG)

CHM 113: General Chemistry I (SQ)

CHM 116: General Chemistry II (SQ)

CHM 233: General Organic Chemistry I
AND CHM 237: General Organic
Chemistry Laboratory I

CHM 234: General Organic Chemistry II
AND CHM 238: General Organic
Chemistry Laboratory II

BIO 201: Human Anatomy and
Physiology I (SG)

MIC 220: Biology of Microorganisms
AND MIC 206: Microbiology Laboratory
(SG)

COM 225: Public Speaking (L)

AST 321: Introduction to Planetary and
Stellar Astrophysics (SQ)

AST 322: Introduction to Galactic and
Extragalactic Astrophysics (SQ)

PHY 416: Quantum Physics III

PHY 465: Advanced Laboratory II

PHY 480: Methods of Teaching Physics

PHY 481: Materials Physics I

PHY 494: Special Topics

PHY 495: Project Research

PHY 498: Pro-Seminar

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 120 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Physics (Secondary Education), BS

College of Liberal Arts and Sciences

Tempe campus
LAPHYSEBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • All freshmen must pass an academic success course and therefore must enroll in an Academic Success Cluster and/or a First-Year Seminar • Minimum grade of C required in all MAT and STP classes; grade of B or better strongly correlated with timely graduation
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 191: First-Year Seminar	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
 Maintain 2.50 GPA in Critical Tracking Courses.			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		
Term 2 15 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
 PHY 150: Physics I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PHY 118: Explorations in Science Teaching	1	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		
Term 3 30 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	
 PHY 151: Physics II (SQ)	4	C	
BLE 220: Foundations of Structured English Immersion	3	C	

CLAS Science and Society Elective	3	C
Humanities, Arts and Design (HU) AND Global Awareness (G)	3	
❗ Minimum 2.50 GPA ASU Cumulative.		
❗ Complete First-Year Composition requirement.		
Complete Mathematics (MA) requirement.		
Milestone: Must meet with an MLFTC advisor.		
Milestone: Complete online intent to progress form.		
Term hours subtotal:	17	

Term 4 47 - 62 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ PHY 201: Mathematical Methods in Physics I (CS)	3	C	
❗ PHY 252: Physics III (SQ)	4	C	
EDP 313: Childhood and Adolescence (SB) OR TEL 315: Child and Adolescent Development (L or SB)	3	C	
PHY 333: Electronic Circuits and Measurements	3	C	
Literacy and Critical Inquiry (L)	3		
❗ Minimum 2.50 GPA ASU Cumulative.			
Milestone: Submit DPS fingerprint clearance card to Mary Lou Fulton Teachers College.			
Term hours subtotal:	16		

Term 5 63 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 302: Mathematical Methods in Physics II	3	C	
★ PHY 310: Classical Particles, Fields, and Matter I	3	C	
★ PHY 314: Quantum Physics I	3	C	
★ PHY 480: Methods of Teaching Physics	3	C	
Upper Division CLAS Science and Society Elective	3	C	
★ Minimum 2.50 GPA ASU Cumulative.			
Milestone: Must attend iTeachAZ orientation the semester prior to starting field experience.			
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students	3	C	• Must possess valid DPS fingerprint card to participate in Field Experience
★ PHY 311: Classical Particles, Fields, and Matter II	3	C	
★ PHY 315: Quantum Physics II	3	C	
★ PHY 334: Advanced Laboratory I (L)	3	C	
★ SED 397: Clinical Experience II	1	Y	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	

★ Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 7 94 - 109 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PHY 412: Classical Particles, Fields, and Matter III	3	C	• Register for the AEPA exams for secondary mathematics and professional knowledge (NES). • All degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching.
★ PHY 441: Statistical and Thermal Physics	3	C	
★ SED 482: Science Teaching Methods for Secondary Schools	3	C	
★ SED 496: Clinical Experience III	1	Y	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
Elective	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 8 110 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching in the Secondary School	8	Y	
Elective	3		
★ Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		11	

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Political Science, BA

College of Liberal Arts and Sciences
LAPOSBA

Term 1 0 - 14 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)		3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement into a mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • All freshmen are required to pass a First Year Seminar which is part of the CLAS Block.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
MAT 142: College Mathematics (MA)		3	C	
POS 191: First-Year Seminar		1		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
Term hours subtotal:		14		
Term 2 15 - 30 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)		3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Related Area Course		3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)		3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		16		
Term 3 31 - 44 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 POS 210: Political Ideologies (SB)		3	C	
POS Elective		3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
Natural Science - Quantitative (SQ)		4		

❗ Complete First-Year Composition requirement.

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4 45 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ Computer/Statistics/Quantitative Applications (CS)	3		
POS Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	16		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	3	C	
POS 301: Empirical Political Inquiry (SB)	3	C	
Related Area Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	3	C	
Complete 2 courses: Related Area Course	6	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	3	C	• There is room in one's program of study for a minor or certificate.
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	3	C	• There is room in one's program of study for a minor or certificate.
Complete 4 courses: Upper Division Elective	12		
Term hours subtotal:	15		

Related Area Course

AES OR AFR OR AIS OR APA OR ASB
OR ASM OR CDE OR COM OR ECN
OR FAS OR GCU OR GPH OR HST OR
JUS OR MIS OR PHI OR PSY OR REL
OR SGS OR SOC OR TCL OR WST
Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Political Science, BA

College of Liberal Arts and Sciences

Online

LAPOSBA

Term 1 - A 1 - 7 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
	ASU 101: The ASU Experience	1		
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
	Term hours subtotal:	7		
Term 1 - B 8 - 12 Credit Hours		Hours	Minimum Grade	Notes
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course
	Elective	2		
	Term hours subtotal:	5		
Term 2 - A 13 - 19 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3	C	• ASU Math Placement Exam score determines placement in Mathematics course • Only those students with no experience with the language may take the 101-level course. All other students are required to take a language placement exam, regardless of prior credit earned: https://international.clas.asu.edu/testing
	Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
	Term hours subtotal:	7		
Term 2 - B 20 - 26 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes

MAT 142: College Mathematics (MA)	3	C	• ASU Math Placement Exam score determines placement in Mathematics course
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
🚩 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 27 - 33 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 POS 210: Political Ideologies (SB)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	7		
Term 3 - B 34 - 40 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
🚩 Complete Mathematics (MA) requirement.			
🚩 Complete First-Year Composition requirement.			
Term hours subtotal:	7		
Term 4 - A 41 - 46 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 POS Elective	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Term hours subtotal:	6		
Term 4 - B 47 - 53 Credit Hours	Hours	Minimum Grade	Notes
Related Area Courses	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 5 - A 54 - 59 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS 301: Empirical Political Inquiry (SB)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	6		
Term 5 - B 60 - 65 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
Related Area Courses	3	C	
Term hours subtotal:	6		

Term 6 - A 66 - 72 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS Elective	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		
Term 6 - B 73 - 78 Credit Hours	Hours	Minimum Grade	Notes
Related Area Courses	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		
Term 7 - A 79 - 84 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		
Term 7 - B 85 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	3	C	
Term hours subtotal:	3		
Term 8 - A 88 - 93 Credit Hours	Hours	Minimum Grade	Notes
Related Area Courses	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		
Term 8 - B 94 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		
Term 9 - A 100 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		
Term 9 - B 106 - 111 Credit Hours	Hours	Minimum Grade	Notes
Complete 2 courses: Upper Division Elective	6		

Term hours subtotal: 6

Term 10 - A 112 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ Upper Division Elective	3		

Term hours subtotal: 3

Term 10 - B 115 - 120 Credit Hours	Hours	Minimum Grade	Notes

Complete 2 courses: Upper Division Elective	6		

Term hours subtotal: 6

Related Area Courses

AFR OR AIS OR APA OR ASB OR
ASM OR CDE OR COM OR ECN OR
FAS OR GCU OR GPH OR HST OR JUS
OR PHI OR PSY OR REL OR SGS OR
SOC OR TCL OR WST Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Political Science, BS

College of Liberal Arts and Sciences
LAPOSBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement into a mathematics course. • ASU 101 or College specific equivalent First Year Seminar, which is part of the CLAS Block, required of all freshman students
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
POS 191: First-Year Seminar	1		
Related Area Course	3	C	
Elective	3		
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Related Area Course	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 210: Political Ideologies (SB)	3	C	
Related Area Course	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i> POS Elective	6	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Term hours subtotal:	16		
Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 POS Upper Division Elective	3	C	
POS 301: Empirical Political Inquiry (SB)	3	C	
CLAS Science and Society Elective	3	C	
Related Area Course	3	C	
Elective	3		
Term hours subtotal:	15		
Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 POS Upper Division Elective	6	C	
POS 401: Political Statistics (CS)	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Elective	3		
Term hours subtotal:	15		
Term 7 94 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 POS Upper Division Elective	3	C	• There is room in one's program of study for a minor or certificate.
Upper Division Literacy and Critical Inquiry (L)	3		
<i>Complete 2 courses:</i> Upper Division Elective	6		
Term hours subtotal:	12		
Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 POS Upper Division Elective	3	C	• There is room in one's program of study for a minor or certificate
<i>Complete 4 courses:</i> Upper Division Elective	12		
Term hours subtotal:	15		

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<https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Related Area Course

AES OR AFR OR AIS OR APA OR ASB
OR ASM OR COM OR ECN OR FAS
OR GCU OR GPH OR HST OR JUS OR
MIS OR PHI OR PSY OR REL OR SGS
OR SOC OR TCL OR WST Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Political Science, BS**

College of Liberal Arts and Sciences
Online
LAPOSBS

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		

Term 1 - B 8 - 13 Credit Hours	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
Elective	3		
Term hours subtotal:	6		

Term 2 - A 14 - 19 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	6		

Term 2 - B 20 - 25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

Humanities, Arts and Design (HU)	3	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course
Elective	3	
❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
Term hours subtotal:	6	

Term 3 - A 26 - 31 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ POS 210: Political Ideologies (SB)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 3 - B 32 - 38 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
POS Elective	3	C	
Natural Science - Quantitative (SQ)	4		
❗ Complete Mathematics (MA) requirement.			
❗ Complete First-Year Composition requirement.			
Term hours subtotal:	7		

Term 4 - A 39 - 44 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ POS Elective	3	C	
CLAS Science and Society Elective	3	C	
Term hours subtotal:	6		

Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 5 - A 52 - 57 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS 301: Empirical Political Inquiry (SB)	3	C	
★ POS Upper Division Elective	3	C	
Term hours subtotal:	6		

Term 5 - B 58 - 63 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		

Term hours subtotal: 6

Term 6 - A	64 - 69 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

★ POS 401: Political Statistics (CS)	3	C
Upper Division Elective	3	

Term hours subtotal: 6

Term 6 - B	70 - 75 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

★ POS Upper Division Elective	3	C
Upper Division CLAS Science and Society Elective	3	C

Term hours subtotal: 6

Term 7 - A	76 - 81 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

★ POS Upper Division Elective	3	C
Cultural Diversity in the U.S. (C)	3	

Term hours subtotal: 6

Term 7 - B	82 - 87 Credit Hours	Hours	Minimum Grade	Notes

Upper Division Literacy and Critical Inquiry (L)	3	
Upper Division Elective	3	

Term hours subtotal: 6

Term 8 - A	88 - 93 Credit Hours	Hours	Minimum Grade	Notes

Complete 2 courses: Upper Division Elective	6	

Term hours subtotal: 6

Term 8 - B	94 - 99 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

★ POS Upper Division Elective	3	C
Historical Awareness (H)	3	

Term hours subtotal: 6

Term 9 - A	100 - 105 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

★ Complete 2 courses: Related Area Courses	6	C

Term hours subtotal: 6

Term 9 - B	106 - 111 Credit Hours	Hours	Minimum Grade	Notes

Complete 2 courses: Related Area Courses	6	C

Term hours subtotal: 6

Term 10 - A 112 - 117 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	6		

Term 10 - B 118 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	3	C	
Term hours subtotal:	3		

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Students may not use more than 6 hours of POS 484 or POS 499 in the major

Related Area Courses

AFR OR AIS OR APA OR ASB OR
ASM OR CDE OR COM OR ECN OR
FAS OR GCU OR GPH OR HST OR JUS
OR PHI OR PSY OR REL OR SGS OR
SOC OR TCL OR WST Elective

Notes:

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Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Psychology, BA

College of Liberal Arts and Sciences

Tempe campus

LAPGSBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	- An SAT, ACT, Accuplacer, or TOEFL score determines placement into First-Year Composition courses - ASU Math Placement Exam score determines placement in Mathematics course - ASU 101 or College specific equivalent First Year Seminar required of all freshman students. PSY 191 offered by the College of Liberal Arts and Sciences satisfies this requirement. - The terminal math course for the BA in psychology is MAT 170: PreCalculus. Students who test into this course are not required to complete the prerequisite course(s).
 MAT 170: Precalculus (MA)	3	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
PSY 191: First-Year Seminar OR LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	1		
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	- Foundations of Behavior - see course list below. Before graduation, students must complete at least 12 credit hours of course work from disciplines related to psychology. - PSY Elective - (Additional Psychology Courses) Before graduation, students must complete 3 additional PSY courses (9 hours). At least two must be upper division and 1 MAY be lower division. No more than 6 hours (total) from the following course list may be used to fulfill this requirement: PSY 390, PSY 394: Undergrad TA, Undergraduate Advising Assistant, Advanced Undergraduate Advising Assistant, PSY 399, PSY 484, PSY 492, PSY 493, PSY 499. - Languages offered: https://international.clas.asu.edu/about/language-areas
Foundations of Behavior	3	C	
PSY Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	
Foundations of Behavior	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
 Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 47 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 290: Research Methods (L or SG)	4	C	
Foundations of Behavior	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	3		
Term hours subtotal:	14		

Term 5 61 - 74 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Complete 2 courses: 3** Breadth within Psychology	6	C	• Breadth within Psychology - Before graduation, students must complete 1 course from 4 of the 5 Breadth course lists below (4 courses); Biological, Personality/Mental Health, Cognitive/Learning, Developmental or Social. • CLAS PSY Residency Requirement: Before graduation, at least 12 credit hours of upper division (300 and 400 level) PSY course work must be completed through courses offered by the College of Liberal Arts and Sciences - Department of Psychology.
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		

Term 6 75 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Complete 2 courses: 3** Breadth within Psychology	6	C	
Foundations of Behavior	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		

Upper Division Social-Behavioral Sciences (SB) OR
Upper Division Humanities, Arts and Design (HU)

3

Term hours subtotal: 16

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Depth within Psychology	3	C	Upper Division Depth within Psychology: See course list. NOTE: PSY 498: Pro-Seminar must be offered by the College of Liberal Arts and Sciences -- Department of Psychology.
PSY Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** Depth within Psychology	3	C	400 level Depth within Psychology: See course list. NOTE: PSY 498: Pro-Seminar must be offered by the College of Liberal Arts and Sciences -- Department of Psychology.
PSY Upper Division Elective	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Foundations of Behavior (12 credit hours from the following options)

ASB Elective

ASM Elective

BIO Elective

GCU Elective

HPS Elective

PHI Elective

SOC Elective

Biological Breadth

PSY 325: Physiological Psychology

Personality/Mental Health Breadth

PSY 315: Personality Theory and Research (SB)

PSY 366: Abnormal Psychology (SB)

Cognitive/Learning Breadth

PSY 320: Learning and Motivation

PSY 323: Sensation and Perception

PSY 324: Memory and Cognition

Developmental Breadth
PSY 341: Developmental Psychology (SB)
Social Breadth
PSY 350: Social Psychology (SB)
PSY 351: Honors Social Psychology (L or SB)
Upper Division Depth within Psychology
PSY 315: Personality Theory and Research (SB)
PSY 320: Learning and Motivation
PSY 323: Sensation and Perception
PSY 324: Memory and Cognition
PSY 325: Physiological Psychology
PSY 341: Developmental Psychology (SB)
PSY 344: Directed Child Study (SB)
PSY 350: Social Psychology (SB)
PSY 351: Honors Social Psychology (L or SB)
PSY 365: Community Psychology (SB)
PSY 366: Abnormal Psychology (SB)
PSY 414: History of Psychology (L or SB)
PSY 420: Analysis of Behavior (L)
PSY 424: Genetic Psychology (L)
PSY 425: Biological Bases of Behavior (L)
PSY 426: Neuroanatomy
PSY 427: Immunoneuropsychology: Research Foundation
PSY 430: Industrial Psychology
PSY 434: Cognitive Psychology (L)
PSY 437: Human Factors (L)
PSY 441: Cognitive Development (L or SB)
PSY 443: Abnormal Child Psychology (L or SB)
PSY 444: Adolescent Psychology and Psychopathology
PSY 446: Social Development (L or SB)
PSY 447: Psychology of Aging (SB)
PSY 451: Stereotyping, Prejudice, and Discrimination (L)
PSY 452: Applied Social Psychology (L)
PSY 458: Group Dynamics
PSY 461: Interpersonal Influence (SB)

PSY 462: Health Psychology

PSY 465: Psychology of Stress and Coping

PSY 468: Psychology and Law

PSY 471: Psychological Testing

PSY 472: Clinical Psychology

PSY 498: Pro-Seminar

400 Level Depth within Psychology

PSY 414: History of Psychology (L or SB)

PSY 420: Analysis of Behavior (L)

PSY 424: Genetic Psychology (L)

PSY 425: Biological Bases of Behavior (L)

PSY 426: Neuroanatomy

PSY 427: Immunoneuropsychology: Research Foundation

PSY 430: Industrial Psychology

PSY 434: Cognitive Psychology (L)

PSY 437: Human Factors (L)

PSY 441: Cognitive Development (L or SB)

PSY 443: Abnormal Child Psychology (L or SB)

PSY 444: Adolescent Psychology and Psychopathology

PSY 446: Social Development (L or SB)

PSY 447: Psychology of Aging (SB)

PSY 451: Stereotyping, Prejudice, and Discrimination (L)

PSY 452: Applied Social Psychology (L)

PSY 458: Group Dynamics

PSY 461: Interpersonal Influence (SB)

PSY 462: Health Psychology

PSY 465: Psychology of Stress and Coping

PSY 468: Psychology and Law

PSY 471: Psychological Testing

PSY 472: Clinical Psychology

PSY 498: Pro-Seminar

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 120 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Psychology, BS

College of Liberal Arts and Sciences
Tempe campus
LAPGSBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer or TOEFL score determines placement into First-Year Composition. • ASU Math Placement Exam score determines placement in Mathematics course. The terminal course for the BS in psychology is either MAT 251 or MAT 270; students who test into either of these do not need to complete the pre-requisite course(s). • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. PSY 191 offered by the College of Liberal Arts and Sciences.
 MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
PSY 191: First-Year Seminar or LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	1		
Term hours subtotal:	14-15		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	• Foundation of Behavior - see course list. Before graduation, students must complete at least 12 credit hours of coursework from disciplines related to psychology. • PSY Elective - (Additional Psychology Courses) Before graduation, students must complete 3 additional psychology courses (9 hours). At least two must be upper division and 1 may be lower division or upper division. No more than 6 hours (total) from the following course list may be used to fulfill this requirement: PSY 390, PSY 394; Undergraduate TA, Undergraduate
Foundations of Behavior	3	C	
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
PSY Elective	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 31 - 44 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)		3	C	
Foundations of Behavior		3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)		4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)		3		
Elective		1		
Complete Mathematics (MA) requirement.				
Complete First-Year Composition requirement.				
Term hours subtotal:		14		

Term 4 45 - 60 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 PSY 290: Research Methods (L or SG)		4	C	CLAS Science and Society - All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. A list of all approved courses and the requirement guidelines may be found at https://clas.asu.edu/advising-and-academic-services/science-and-society
CLAS Science and Society Elective		3	C	
Foundations of Behavior		3	C	
Complete 2 courses: Elective		6		
Term hours subtotal:		16		

Term 5 61 - 75 Credit Hours Necessary course signified by 		Hours	Minimum Grade	Notes
 Complete 2 courses: Upper Division Breadth within Psychology		6	C	- Breadth within Psychology: Before graduation, students must complete 1 course from 4 of the 5 Breadth course lists below (4 courses); Biological, Personality/Mental Health, Cognitive/Learning, Developmental or Social. - CLAS PSY Residency Requirement: before graduation, at least 12 credit hours of upper division (300 and 400 level) PSY course work must be completed through courses offered by the College of Liberal Arts and Sciences - Department of Psychology.
PSY Upper Division Elective		3	C	
Upper Division CLAS Science and Society Elective		3	C	
Elective		3		
Term hours subtotal:		15		

Minimum

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ <i>Complete 2 courses:</i> Upper Division Breadth within Psychology	6	C	
Foundations of Behavior	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Depth Within Psychology	3	C	Upper Division Depth within Psychology: see course list. PSY 498 Pro-Seminar must be offered by the College of Liberal Arts and Sciences - Department of Psychology.
PSY Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3	C	
<i>Complete 2 courses:</i> Elective	6		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** Depth within Psychology	3	C	400 level Depth within Psychology: see course list. PSY 498 Pro-Seminar must be offered by the College of Liberal Arts and Sciences - Department of Psychology.
<i>Complete 4 courses:</i> Upper Division Elective	12		
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Foundations of Behavior (12 credit hours from the following options)

ASB Elective

ASM Elective

BIO Elective

GCU Elective

HPS Elective

PHI Elective

SOC Elective

Biological Breadth

PSY 325: Physiological Psychology

Personality/Mental Health Breadth

PSY 315: Personality Theory and Research (SB)

PSY 366: Abnormal Psychology (SB)

Cognitive/Learning Breadth

PSY 320: Learning and Motivation

PSY 323: Sensation and Perception

PSY 324: Memory and Cognition

Developmental Breadth

PSY 341: Developmental Psychology (SB)

Social Breadth

PSY 350: Social Psychology (SB)

PSY 351: Honors Social Psychology (L or SB)

Upper Division Depth within Psychology

PSY 315: Personality Theory and Research (SB)

PSY 320: Learning and Motivation

PSY 323: Sensation and Perception

PSY 324: Memory and Cognition

PSY 325: Physiological Psychology

PSY 341: Developmental Psychology (SB)

PSY 344: Directed Child Study (SB)

PSY 350: Social Psychology (SB)

PSY 351: Honors Social Psychology (L or SB)

PSY 365: Community Psychology (SB)

PSY 366: Abnormal Psychology (SB)

PSY 414: History of Psychology (L or SB)

PSY 420: Analysis of Behavior (L)

PSY 424: Genetic Psychology (L)

PSY 425: Biological Bases of Behavior (L)

PSY 426: Neuroanatomy

PSY 427: Immunoneuropsychology: Research Foundation

PSY 430: Industrial Psychology

PSY 434: Cognitive Psychology (L)

PSY 437: Human Factors (L)

PSY 441: Cognitive Development (L or SB)

PSY 443: Abnormal Child Psychology (L or SB)

PSY 444: Adolescent Psychology and Psychopathology

PSY 446: Social Development (L or SB)

PSY 447: Psychology of Aging (SB)

PSY 451: Stereotyping, Prejudice, and Discrimination (L)

PSY 452: Applied Social Psychology (L)

PSY 458: Group Dynamics

PSY 461: Interpersonal Influence (SB)

PSY 462: Health Psychology

PSY 465: Psychology of Stress and Coping

PSY 468: Psychology and Law

PSY 471: Psychological Testing

PSY 472: Clinical Psychology

PSY 498: Pro-Seminar

400 Level (4**) Depth within Psychology

PSY 414: History of Psychology (L or SB)

PSY 420: Analysis of Behavior (L)

PSY 424: Genetic Psychology (L)

PSY 425: Biological Bases of Behavior (L)

PSY 426: Neuroanatomy

PSY 427: Immunoneuropsychology: Research Foundation

PSY 430: Industrial Psychology

PSY 434: Cognitive Psychology (L)

PSY 437: Human Factors (L)

PSY 441: Cognitive Development (L or SB)

PSY 443: Abnormal Child Psychology (L or SB)

PSY 444: Adolescent Psychology and Psychopathology

PSY 446: Social Development (L or SB)

PSY 447: Psychology of Aging (SB)

PSY 451: Stereotyping, Prejudice, and Discrimination (L)

PSY 452: Applied Social Psychology (L)

PSY 458: Group Dynamics

PSY 461: Interpersonal Influence (SB)

PSY 462: Health Psychology

PSY 465: Psychology of Stress and Coping

PSY 468: Psychology and Law

PSY 471: Psychological Testing

PSY 472: Clinical Psychology

PSY 498: Pro-Seminar

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Psychology (Psychological Science), BS**

College of Liberal Arts and Sciences

Tempe campus
LAPGSPSBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into First-Year Composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. PSY 191 offered by the College of Liberal Arts and Sciences satisfies this requirement • The terminal math course for the BS in psychology, psychological science concentration is MAT 251 or MAT 270. Students who test into either of these courses are not required to complete the prerequisite course(s)
 MAT 251: Calculus for Life Sciences (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
PSY 191: First-Year Seminar or LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Elective	1		
Term hours subtotal:	14-15		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	• Foundations of Behavior - see course list below. Before graduation, students must complete at least 12 credit hours of course work from disciplines related to psychology. At least 6 hours must be from one discipline.
Foundations of Behavior	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	

Foundations of Behavior	3	C
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3	
Elective	1	
Complete Mathematics (MA) requirement.		
Complete First-Year Composition requirement.		
Term hours subtotal:	14	

Term 4 45 - 60 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ PSY 290: Research Methods (L or SG)	4	C	CLAS Science and Society - All students pursuing a bachelor of science degree in the College of Liberal Arts and Sciences must complete the two-course Science and Society requirement. A list of all approved courses and the requirement guidelines may be found at http://clas.asu.edu/advising-and-academic-services/science-and-society.
Foundations of Behavior	3	C	
CLAS Science and Society Elective	3	C	
Complete 2 courses: Elective	6		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Breadth within Psychology Course	6	C	- Breadth within Psychology: Before graduation, students must complete 1 course from 4 of the 5 Breadth course lists below (4 courses); Biological, Personality/Mental Health, Cognitive/Learning, Developmental or Social. - Research Experience: Before graduating, students must complete at least 6 hours of Research Experience (PSY 399, PSY 499, PSY 492, or PSY 493) - CLAS PSY Residency Requirement: before graduation, at least 12 credit hours of upper division (300 and 400 level) PSY course work must be completed through courses offered by the College of Liberal Arts and Sciences - Department of Psychology.
Foundations of Behavior	3	C	
PSY 399: Supervised Research OR PSY 499: Individualized Instruction	3	Y	
Upper Division CLAS Science and Society Elective	3	C	
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Breadth within Psychology Course	6	C	
PSY 330: Statistical Methods (CS)	3	C	

PSY 399: Supervised Research OR PSY 499: Individualized Instruction OR PSY 492: Honors Directed Study OR PSY 493: Honors Thesis (L)	3	Y
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3	
Minimum 3.00 GPA ASU Cumulative.		
Term hours subtotal:	15	

Term 7	91 - 105 Credit Hours	Necessary course signified by 🌟	Hours	Minimum Grade	Notes
🌟 4**	Depth Within Psychology Course		3	C	Depth within Psychology: Before graduation, students must complete 2 courses from the course list below.
	Upper Division Literacy and Critical Inquiry (L)		3		
	Complete 3 courses: Upper Division Elective		9		
Minimum 3.00 GPA ASU Cumulative.					
Term hours subtotal:			15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** Depth Within Psychology Course	3	C	
Complete 4 courses: Elective	12		
Minimum 3.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.
- Students in this major must complete at least 6 credits of their foundations of behavior within a single department and course prefix.
- Students cannot declare this major as freshmen. Students must have a minimum ASU cumulative gpa of 3.0 to be accepted into this major, and students must maintain a minimum ASU cumulative gpa to remain in the major.

Foundations of Behavior (12 credit hours from the following options. At least 6 hours must be from one discipline.)

ASB Elective

ASM Elective

BIO Elective

GCU Elective

HPS Elective

PHI Elective

SOC Elective

Biological Breadth

PSY 325: Physiological Psychology

Personality/Mental Health Breadth

PSY 315: Personality Theory and Research (SB)

PSY 366: Abnormal Psychology (SB)

Cognitive/Learning Breadth

PSY 320: Learning and Motivation

PSY 323: Sensation and Perception

PSY 324: Memory and Cognition

Developmental Breadth

PSY 341: Developmental Psychology (SB)

Social Breadth

PSY 350: Social Psychology (SB)

PSY 351: Honors Social Psychology (L or SB)

400 Level Depth within Psychology

PSY 414: History of Psychology (L or SB)

PSY 420: Analysis of Behavior (L)

PSY 424: Genetic Psychology (L)

PSY 425: Biological Bases of Behavior (L)

PSY 426: Neuroanatomy

PSY 427: Immunoneuropsychology: Research Foundation

PSY 430: Industrial Psychology

PSY 434: Cognitive Psychology (L)

PSY 437: Human Factors (L)

PSY 441: Cognitive Development (L or SB)

PSY 443: Abnormal Child Psychology (L or SB)

PSY 444: Adolescent Psychology and Psychopathology

PSY 446: Social Development (L or SB)

PSY 447: Psychology of Aging (SB)

PSY 451: Stereotyping, Prejudice, and Discrimination (L)

PSY 452: Applied Social Psychology (L)

PSY 458: Group Dynamics

PSY 461: Interpersonal Influence (SB)

PSY 462: Health Psychology

PSY 465: Psychology of Stress and Coping

PSY 468: Psychology and Law

PSY 471: Psychological Testing

PSY 472: Clinical Psychology

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Religious Studies, BA**

College of Liberal Arts and Sciences
LARELBA

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 REL Elective	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • Recommend French, German or language related to field of interest (e.g. Greek for Christian studies; Hebrew; Arabic; Spanish for Latin American or Chicano)
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	1		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	15		

Term 2 16 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB)	3		
Elective	1		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	15		

Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Related Area Course	3	C	• Related Area Courses include: ASB OR AFR OR AFS OR APA OR HST
Track Focus Area Course	3	C	

Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	OR PHI OR POS OR PSY OR SGS OR SOC OR WST OR ARS Elective
Computer/Statistics/Quantitative Applications (CS)	3		
Social-Behavioral Sciences (SB)	3		
❗ Complete Mathematics (MA) requirement.			
❗ Complete First-Year Composition requirement.			
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	16		

Term 4 47 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ REL 207: Ritual, Symbol, and Myth (L or HU)	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	14		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: REL Upper Division Elective	6	C	
Upper Division Track Focus Area Course	3	C	
Related Area Course	3	C	
Global Awareness (G)	3		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ REL Upper Division Elective	3	C	
Upper Division Related Area Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Cultural Diversity in the U.S. (C)	3		
Historical Awareness (H)	3		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ REL 307: Approaches to Religion	3	C	
Upper Division Related Area Course	3	C	
Upper Division Track Focus Area Course	3	C	

Humanities, Arts and Design (HU)	3
Upper Division Elective	3
Maintain 2.50 GPA in Major Courses.	
Term hours subtotal:	15

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ REL 405: Problems in Religious Studies	3	C	REL 405 is a special topics seminar that serves as the capstone seminar for this major.
Upper Division Related Area Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Upper Division Elective	6		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	15		

- Students complete a minimum of nine credit hours in a chosen track within the major.
- Students choose three courses from a track within their chosen concentration. Possible concentrations are Traditions, Geographical Areas, and Themes.
- Students must complete 15 credits of courses in related areas, at least 9 of which must be upper division.

Traditions
REL 210: Introduction to Judaism ((L or HU)& H)
REL 225: African American Religion (HU & C)
REL 230: Introduction to Jewish Civilization
REL 260: Introduction to Islam (HU & G)
REL 270: Introduction to Christianity (HU)
REL 310: Western Religious Traditions (HU & H)
REL 313: Anti-Semitism in the Media
REL 314: Jewish Philosophy
REL 315: Hebrew Bible (Old Testament) ((L or HU)& H)
REL 317: Introduction to Rabbinic Judaism (HU & H)
REL 318: Contemporary American Jewish Identities ((HU or SB) & C)
REL 343: Daoism ((L or HU) & G & H)
REL 344: Religion and Values in Japanese Life (HU & G)
REL 345: Asian Religious Traditions (HU & G)
REL 346: Chinese Religions

REL 350: Hinduism ((L or HU) & G)

REL 351: Buddhism ((L or HU) & G)

REL 354: Religious Traditions of Korea (HU)

REL 356: Buddhism in America

REL 357: Theravada Buddhism in South and Southeast Asia (L & G)

REL 365: Islamic Civilization (HU & H)

REL 366: Islam in the Modern World (HU & H & G)

REL 369: Women in Islam

REL 371: New Testament (HU)

REL 372: Formation of the Christian Tradition (HU & H)

REL 373: Women in Judaism

REL 374: Witchcraft and Heresy in Europe (L & H)

REL 377: Religion in Russia (HU & H)

REL 375: Lost Scriptures, Lost Christianities (HU)

REL 376: Virgin Mary in History, Film, and Culture (L or HU)

REL 380: Theology of Terror

REL 384: The Bible and Archaeological Discoveries

REL 386: America and the Holocaust (HU or SB)

REL 396: Women in the Bible

REL 410: Judaism in Modern Times (HU & H)

REL 470: Religion in the Middle Ages (HU & H)

REL 471: Reformation and Modern Christianity (HU & H)

REL 486: Holocaust on Film

Geographic Areas

REL 111: Introduction to Asia (HU & H & G)

REL 225: African American Religion (HU & C)

REL 240: Introduction to Southeast Asia ((HU or SB) & G)

REL 245: Introduction to South Asia or
HST 245: Introduction to South Asia

REL 318: Contemporary American Jewish Identities ((HU or SB) & C)

REL 320: American Religious Traditions (HU & C & H)

REL 321: Religion in America ((L or HU) & C & H)

REL 323: African American Religion: A Biographical Approach (HU & C)

REL 324: Spirituals and the Blues

REL 326: U.S. Latino Religion and Culture (HU & C)

REL 330: Native American Religious Traditions (HU & C)

REL 331: History of Native American Religious Traditions ((L or HU) & C & H)

REL 332: South American Indian Religions (HU & G)

REL 343: Daoism ((L or HU) & G & H)

REL 344: Religion and Values in Japanese Life (HU & G)

REL 346: Chinese Religions

REL 347: Religions of India

REL 351: Buddhism ((L or HU) & G)

REL 353: Folk Religions of Korea

REL 354: Religious Traditions of Korea (HU)

REL 355: Japanese Cities and Cultures to 1800 (HU & H)

REL 356: Buddhism in America

REL 357: Theravada Buddhism in South and Southeast Asia (L & G)

REL 374: Witchcraft and Heresy in Europe (L & H)

REL 377: Religion in Russia (HU & H)

REL 386: America and the Holocaust (HU or SB)

REL 420: Religion in American Life and Thought (HU)

REL 427: American Religious Thought (HU & H)

REL 430: Shamans and Mesoamerica

REL 470: Religion in the Middle Ages (HU & H)

REL 471: Reformation and Modern Christianity (HU & H)

Themes

REL 107: Religion and Globalization (HU)

REL 201: Religion and the Modern World (L or HU)

REL 202: Religion and Popular Culture (HU & C)

REL 203: Saints and Sinners: Explorations in Sacred Biography (HU & H)

REL 205: Life, Sex and Death (HU)

REL 225: African American Religion (HU & C)

REL 240: Introduction to Southeast Asia ((HU or SB) & G)

REL 301: Comparative Mysticism (HU)

REL 310: Western Religious Traditions (HU & H)

REL 313: Anti-Semitism in the Media

REL 314: Jewish Philosophy

REL 315: Hebrew Bible (Old Testament) ((L or HU)& H)

REL 317: Introduction to Rabbinic Judaism (HU & H)

REL 318: Contemporary American Jewish Identities ((HU or SB) & C)

REL 320: American Religious Traditions (HU & C & H)

REL 321: Religion in America (HU & C & H)

REL 323: African American Religion: A Biographical Approach (HU & C)

REL 324: Spirituals and the Blues

REL 326: Latina/o and Latin American Religions and Cultures (HU & C)

REL 330: Native American Religious Traditions (HU & C)

REL 331: History of Native American Religious Traditions ((L or HU) & C & H)

REL 332: South American Indian Religions (HU & G)

REL 344: Religion and Values in Japanese Life (HU & G)

REL 345: Asian Religious Traditions (HU & G)

REL 346: Chinese Religions

REL 353: Folk Religions of Korea

REL 354: Religious Traditions of Korea (HU)

REL 355: Japanese Cities and Cultures to 1800 (HU & H)

REL 357: Theravada Buddhism in South and Southeast Asia (L & G)

REL 365: Islamic Civilization (HU & H)

REL 366: Islam in the Modern World (HU & H & G)

REL 369: Women in Islam

REL 371: New Testament (HU)

REL 373: Women in Judaism

REL 374: Witchcraft and Heresy in Europe (L & H)

REL 375: Lost Scriptures, Lost Christianities (HU)

REL 376: Virgin Mary in History, Film,
and Culture (L or HU)

REL 377: Religion in Russia (HU & H)

REL 379: Religion, Nationalism, and
Ethnic Conflict (HU & G)

REL 380: Theology of Terror

REL 381: Religion and Moral Issues (L or
HU)

REL 382: Magick, Religion and Science
(L or HU)

REL 384: The Bible and Archaeological
Discoveries

REL 385: Contemporary Western
Religious Thought (HU)

REL 386: America and the Holocaust (HU
or SB)

REL 388: Religion, Ethics, and
International Politics

REL 390: Women and Religion (HU & G)

REL 391: Historical Perspectives on
Philosophy and Religion

REL 393: Religion and Sexuality (HU)

REL 395: Religion and Psychology

REL 396: Women in the Bible

REL 410: Judaism in Modern Times (HU
& H)

REL 420: Religion in American Life and
Thought (HU)

REL 427: American Religious Thought
(HU & H)

REL 430: Shamans and Mesoamerica

REL 460: Studies in Islamic Religion (HU
& G)

REL 461: Different Voices Within
Contemporary Islamic Discourse

REL 470: Religion in the Middle Ages
(HU & H)

REL 471: Reformation and Modern
Christianity (HU & H)

REL 480: Religion and Global Politics (L
& G)

REL 482: Religion, Violence, and
Conflict Resolution

REL 483: Religion and Science

REL 486: Holocaust on Film

REL 487: Religion and Film

Related Area Courses

ASB OR AFR OR APA OR HST OR PHI
OR POS OR PSY OR SGS OR SOC OR
WST OR ARS Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.50 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Religious Studies, BA**

College of Liberal Arts and Sciences
Online
LARELBA

Term 1 - A 1 - 7 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 REL Elective		3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics courses • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • Only those who begin at ASU as first semester freshmen will take the ASU 101. Others can replace it with an elective.
ASU 101: The ASU Experience		1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition		3	C	
Maintain 2.50 GPA in Major Courses.				
Term hours subtotal:		7		
Term 1 - B 8 - 14 Credit Hours		Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition		3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
Term hours subtotal:		7		
Term 2 - A 15 - 21 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 REL 207: Ritual, Symbol, and Myth (L or HU)		3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.		4	C	
Maintain 2.50 GPA in Major Courses.				
Term hours subtotal:		7		
Term 2 - B 22 - 28 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)		3	C	

Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).		
Term hours subtotal:	7	

Term 3 - A 29 - 34 Credit Hours	Hours	Minimum Grade	Notes
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Elective	2		
Maintain 2.50 GPA in Major Courses.			
Term hours subtotal:	6		

Term 3 - B 35 - 41 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete Mathematics (MA) requirement.			
 Complete First-Year Composition requirement.			
Term hours subtotal:	7		

Term 4 - A 42 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 REL 307: Approaches to Religion	3	C	
CSE 180: Computer Literacy (CS) OR Computer/Statistics/Quantitative Applications (CS)	3		
Term hours subtotal:	6		

Term 4 - B 48 - 54 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 5 - A 55 - 60 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 REL Upper Division Elective	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	6		

Term 5 - B 61 - 66 Credit Hours	Hours	Minimum Grade	Notes
REL Upper Division Elective	3	C	
Related Area Course	3	C	
Term hours subtotal:	6		

Term 6 - A	67 - 72 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	REL Upper Division Elective		3	C	
	Global Awareness (G)		3		
	Term hours subtotal:		6		
Term 6 - B	73 - 78 Credit Hours		Hours	Minimum Grade	Notes
	Complete 2 courses: Upper Division Related Area Course		6	C	
	Term hours subtotal:		6		
Term 7 - A	79 - 84 Credit Hours		Hours	Minimum Grade	Notes
	Upper Division Literacy and Critical Inquiry (L)		3		
	Historical Awareness (H)		3		
	Term hours subtotal:		6		
Term 7 - B	85 - 90 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	Track Focus Area Course		3	C	
	Humanities, Arts and Design (HU)		3		
	Term hours subtotal:		6		
Term 8 - A	91 - 96 Credit Hours		Hours	Minimum Grade	Notes
	Upper Division Related Area Course		3	C	
	Cultural Diversity in the U.S. (C)		3		
	Term hours subtotal:		6		
Term 8 - B	97 - 102 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	Upper Division Track Focus Area Course		3	C	
	Upper Division Elective		3		
	Term hours subtotal:		6		
Term 9 - A	103 - 108 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	Upper Division Track Focus Area Course		3	C	
	Humanities, Arts and Design (HU)		3		
	Term hours subtotal:		6		
Term 9 - B	109 - 112 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	REL 406: Religious Studies Capstone I		1	C	
	Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)		3		

Term hours subtotal: 4

Term 10 - A	113 - 117 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

★ REL 407: Religious Studies Capstone II	2	C		

Upper Division Elective	3			

Term hours subtotal: 5

Term 10 - B	118 - 120 Credit Hours		Hours	Minimum Grade	Notes

Upper Division Elective	3			

Term hours subtotal: 3

- Students complete a minimum of nine credit hours in a chosen track within the major.
- Students must complete 15 credits of courses in related areas, at least 9 of which must be upper division.

Religion in Global Contexts Track

REL 100: Religions of the World (HU & G)

REL 201: Religion and the Modern World (L or HU)

REL 321: Religion in America ((L or HU) & C & H)

REL 332: South American Indian Religions (HU & G)

REL 351: Buddhism ((L or HU) & G)

REL 366: Islam in the Modern World (HU & H & G)

REL 374: Witchcraft and Heresy in Europe (L & H)

REL 390: Women and Religion (HU & G)

REL 480: Religion and Global Politics (L & G)

Text, Practice, Representation Track

REL 203: Saints and Sinners: Explorations in Sacred Biography (HU & H)

REL 205: Life, Sex and Death (HU)

REL 315: Hebrew Bible (Old Testament) ((L or HU) & H)

REL 320: American Religious Traditions (HU & C & H)

REL 351: Buddhism ((L or HU) & G)

REL 366: Islam in the Modern World (HU & H & G)

REL 371: New Testament (HU)

REL 374: Witchcraft and Heresy in Europe (L & H)

REL 382: Magick, Religion and Science (L or HU)

Religion in the Modern World Track

REL 201: Religion and the Modern World (L or HU)

REL 202: Religion and Popular Culture (HU & C)

REL 320: American Religious Traditions (HU & C & H)

REL 366: Islam in the Modern World (HU & H & G)

REL 382: Magick, Religion and Science (L or HU)

REL 390: Women and Religion (HU & G)

REL 480: Religion and Global Politics (L & G)

REL 486: Holocaust on Film

Related Area Courses

ARS OR ASB OR HST OR JUS OR PHI
OR SOC OR WST Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Russian, BA

College of Liberal Arts and Sciences

Tempe campus

LARUSBA

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 RUS 101: Elementary Russian	5	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
SLC 191: First-Year Seminar	1		
Social-Behavioral Sciences (SB)	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 2 16 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 RUS 102: Elementary Russian	5	C	• Start planning your study abroad experience. Learn about faculty-directed summer programs offered through the School of International Letters and Cultures. • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Cultural Diversity in the U.S. (C)	3		
Historical Awareness (H)	3		
Elective	1		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 RUS 201: Intermediate Russian (G)	5	C	• Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
 RUS 211: Basic Russian Conversation (G)	3	C	
 SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	

Natural Science - Quantitative (SQ)	4
⚠ Complete First-Year Composition requirement.	
⚠ Complete Mathematics (MA) requirement.	
Maintain 2.33 GPA in Critical Tracking Courses.	
Term hours subtotal:	15

Term 4 46 - 60 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ RUS 202: Intermediate Russian (G)	5	C	Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
⚠ RUS 212: Basic Russian Conversation (G)	3	C	
⚠ SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ RUS 311: Russian Composition and Conversation (G)	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
RUS OR SLV Upper Division Elective	3	C	
Related Area Course	3	C	
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ RUS 312: Russian Composition and Conversation (G)	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
SLV 304: Computational Linguistics of Slavic Languages (CS)	3	C	
Upper Division RUS course (L) OR Upper Division SLV course (L)	3	C	
Related Area Course	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ RUS 411: Advanced Composition and Conversation I (G) OR RUS 412: Advanced Composition and Conversation II (G)	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
RUS OR SLV 4** Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Elective	6		
Term hours subtotal:	15		

Minimum

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Grade	Notes
★ RUS 498: Pro-Seminar OR SLV 498: Pro-Seminar			3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
★ SLC 491: Crossing Languages and Cultures			3	C	
Complete 3 courses: Upper Division Elective			9		
Term hours subtotal:			15		

Related Area Course

ARB OR BCS OR CHI OR ITA OR GER
OR GRK OR HEB OR HIN OR JPN OR
KOR OR LAT OR MAK OR PLC OR
POR OR ROM OR FRE OR SLC OR
SLV OR SPA OR THA OR VTN Elective

ASB 480: Principles of Linguistics (SB)

ASB 481: Language and Culture (SB)

ASB 483: Sociolinguistics and the
Ethnography of Communication (SB)

APH 300: World Architecture I/Western
Cultures (HU & H & G)

ARS 410: Early Christian and Byzantine
Art (HU)

ARS 436: The Artist, War, and
Revolution (Versailles to Vietnam) (HU)

COM 263: Elements of Intercultural
Communication (SB & C & G)

COM 371: Language, Culture, and
Communication (SB & C & G)

DCE 402: Ethnography of Dance
Practices ((L or HU) & G)

ENG 201: World Literature (HU & H &
G)

ENG 202: World Literature (HU & H)

ENG 213: Introduction to the Study of
Language

GCU 121: World Geography (SB & G)

GCU 253: Introduction to Cultural and
Historical Geography (SB & G)

GCU 359: Cities of the World I (SB & G
& H)

GCU 426: Geography of Russia and
Surroundings (SB & G)

HST 101: Global History Since 1500 (HU
& H & G)

HST 316: 20th-Century U.S. Foreign
Relations (SB & G & H)

HST 354: Revolutionary Europe (SB &
H)

HST 355: Total War and the Crisis of
Modernity (SB & G & H)

HST 356: Europe since 1945 (SB & G & H)

HST 370: Eastern Europe in Transition (SB & G & H)

HST 371: Religion in Russia (HU & H)

HST 431: Eastern Europe and the Balkans, Pre-1914 (SB & H)

HST 432: Eastern Europe the Balkans, 20th Century (SB & G & H)

HST 435: The Russian Empire (SB & H)

HST 436: The Soviet Experiment (SB & G & H)

JUS 415: Gender and International Development (L & G)

PHI 331: Philosophy of Language (HU)

PHI 401: Rationalism

PHI 402: Empiricism (HU)

POS 150: Comparative Government (SB & G)

POS 160: Global Politics (SB & G)

POS 260: Current Issues in International Politics ((L or SB) & G)

POS 361: American Foreign Policy (SB & G)

POS 360: World Politics (SB & G)

POS 465: International Organization and Law (SB & G)

POS 467: International Security (SB & G)

POS 486: International Political Economy (SB & G)

REL 100: Religions of the World (HU & G)

REL 201: Religion and the Modern World (L or HU)

REL 210: Introduction to Judaism ((L or HU) & H)

REL 260: Introduction to Islam (HU & G)

REL 270: Introduction to Christianity (HU)

REL 377: Religion in Russia (HU & H)

REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G)

REL 480: Religion and Global Politics (L & G)

SGS 101: Thinking Globally: The Individual and Authority (SB)

SGS 203: Contemporary Global Trends (SB & G)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Sociology, BS**

College of Liberal Arts and Sciences
LASOCBS

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
 SOC 101: Introductory Sociology (SB)	3	C	
MAT 142: College Mathematics (MA)	3	C	
FAS 191: First-Year Seminar	1		
Elective	3		
Term hours subtotal:	13		

Term 2 14 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 SOC 241: Modern Social Problems (SB) or SOC 270: Racial and Ethnic Relations (SB & C) or SOC 264: Gender and Society ((L or SB) & C)	3	C	
Related Area Course AND Social-Behavioral Sciences (SB)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 30 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
SOC Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
 Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 46 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 390: Social Statistics I (CS)	3	C	
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Elective	6		
Related Area Course AND Social-Behavioral Sciences (SB)	3	C	
Term hours subtotal:	15		
Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SOC Upper Division Elective	3	C	
Related Area Course	3	C	
CLAS Science and Society Elective	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		
Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SOC 391: Research Methods (L or SB) or SBS 303: Quantitative Methods or FAS 361: Research Methods (L or SB)	3	C	
SOC Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		
Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SOC 483: History of Social Thought (SB) or SOC 486: Contemporary Theory (SB)	3	C	
SOC Upper Division Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Elective	3		
Term hours subtotal:	15		
Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SOC Upper Division Elective	3	C	
Complete 2 courses: Related Area Course	6	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

SOC Related Area Course

AFS OR AFR OR APA OR CDE OR
ECN OR FAS OR GCU OR HST OR
POS OR PSY OR TCL OR WST OR
ASB Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Sociology, BS**

College of Liberal Arts and Sciences
Online
LASOCBS

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101: The ASU Experience	1		
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 8 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 270: Racial and Ethnic Relations (SB & C)	3	C	
Elective	3		
Term hours subtotal:	6		
Term 2 - A 14 - 20 Credit Hours	Hours	Minimum Grade	Notes
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	7		
Term 2 - B 21 - 26 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
MAT 142: College Mathematics (MA)	3	C	
Historical Awareness (H)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 27 - 32 Credit Hours	Hours	Minimum Grade	Notes
Related Area Course	3	C	

Elective	3
Term hours subtotal:	6

Term 3 - B 33 - 38 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		• Related area course cannot be from SOC.
Related Area Course AND Social-Behavioral Sciences (SB)	3	C	
⚠ Complete Mathematics (MA) requirement.			
⚠ Complete First-Year Composition requirement.			
Term hours subtotal:	6		

Term 4 - A 39 - 45 Credit Hours	Hours	Minimum Grade	Notes
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		

Term 4 - B 46 - 51 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ SOC 390: Social Statistics I (CS)	3	C	• Related area course cannot be from SOC.
Related Area Course AND Social-Behavioral Sciences (SB)	3	C	
Term hours subtotal:	6		

Term 5 - A 52 - 57 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC Elective	3	C	
Elective	3		
Term hours subtotal:	6		

Term 5 - B 58 - 63 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOC Upper Division Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 6 - A 64 - 69 Credit Hours	Hours	Minimum Grade	Notes
CLAS Science and Society Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 6 - B 70 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Related Area Course	3	C	

Upper Division Elective	3

Term hours subtotal:	6

Term 7 - A 76 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ SOC 391: Research Methods (L or SB) OR FAS 361: Research Methods (L or SB)	3	C	

Upper Division CLAS Science and Society Elective	3	C	

Term hours subtotal:	6		

Term 7 - B 82 - 87 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ SOC Upper Division Elective	3	C	

Upper Division Elective	3		

Term hours subtotal:	6		

Term 8 - A 88 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ SOC 483: History of Social Thought (SB)	3	C	

Upper Division Elective	3		

Term hours subtotal:	6		

Term 8 - B 94 - 99 Credit Hours	Hours	Minimum Grade	Notes

Complete 2 courses: Upper Division Elective	6		

Term hours subtotal:	6		

Term 9 - A 100 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ SOC Upper Division Elective	3	C	

Humanities, Arts and Design (HU)	3		

Term hours subtotal:	6		

Term 9 - B 106 - 111 Credit Hours	Hours	Minimum Grade	Notes

Global Awareness (G)	3		

Related Area Course	3	C	

Term hours subtotal:	6		

Term 10 - A 112 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ SOC Upper Division Elective	3	C	

Elective	3		

Term hours subtotal:	6		

Term 10 - B 118 - 120 Credit Hours	Hours	Minimum Grade	Notes

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Related Area Courses

AFR OR AFH OR APA OR CDE OR
ECN OR FAS OR GCU OR HST OR
POS OR PSY OR TCL OR WST Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Spanish - Linguistics, BA**

College of Liberal Arts and Sciences
LASPABA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SPA 111: Fundamentals of Spanish	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
SLC 191: First-Year Seminar	1		
Social-Behavioral Sciences (SB)	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SPA 201: Intermediate Spanish (G) OR SPA 203: Intermediate Spanish for Bilinguals (G)	4	C	• Start planning your study abroad experience. Learn about faculty-directed summer programs offered through the School of International Letters and Cultures. • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	• Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
 SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish for Bilinguals (G)	4	C	
Humanities, Arts and Design (HU)	3		

Natural Science - Quantitative (SQ)	4
❗ Complete First-Year Composition requirement.	
❗ Complete Mathematics (MA) requirement.	
Maintain 2.33 GPA in Critical Tracking Courses.	
Term hours subtotal:	14

Term 4 45 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
❗ SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Spanish Conversation and Composition for Bilinguals	3	C	
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Spanish Conversation and Composition for Bilinguals	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
★ SPA 325: Introduction to Hispanic Literature (HU)	3	C	
POR 101: Elementary Portuguese OR POR Upper Division Elective	5-3	C	
Literacy and Critical Inquiry (L)	3		
Elective	1		
Term hours subtotal:	15-13		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPA 412: Advanced Conversation and Composition (G)	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
★ SPA 413: Advanced Spanish Grammar (G)	3	C	
SPA 425: Spanish Literature (HU) OR SPA 426: Spanish Literature (HU) OR SPA 427: Spanish American Literature (L or HU) OR SPA 428: Spanish American Literature (L & G) OR SPA 464: Mexican American Literature ((HU or SB) & C)	3	C	
SPA 471: Civilization of the Spanish Southwest ((L or HU) & C) OR SPA 472: Spanish American Civilization (HU & H & G) OR SPA 473: Spanish Civilization ((HU or SB) & G)	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPA 400: Introduction to Spanish Linguistics	3	C	
★ SPA 418: Spanish Syntax	3	C	

★ SPA 4** Elective OR ★ SLC 401: Translation Theory and Practice OR SLC 482: Business and Financial Translation OR SPA 319: Business Correspondence and Communication (G)	3	C
Complete 2 courses: Elective	6	
Term hours subtotal:	15	

- Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPA 417: Spanish Phonetics and Phonology	3	C	• Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
★ SPA 419: Language Variations of Spanish	3	C	
★ SPA 420: Applied Spanish Linguistics (L)	3	C	
★ SLC 491: Crossing Languages and Cultures	3	C	
Elective	3		
Term hours subtotal:	15		

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Spanish - Literature, BA**

College of Liberal Arts and Sciences
LASPABA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SPA 111: Fundamentals of Spanish	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • ASU Language Placement: Only true beginners are eligible for 101-level courses. All other students are required to take a placement exam, regardless of prior credit earned.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
SLC 191: First-Year Seminar	1		
Social-Behavioral Sciences (SB)	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SPA 201: Intermediate Spanish (G) OR SPA 203: Intermediate Spanish for Bilinguals (G)	4	C	• Start planning your study abroad experience. Learn about faculty-directed summer programs offered through the School of International Letters and Cultures. • Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Historical Awareness (H)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	• Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
 SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish for Bilinguals (G)	4	C	
Natural Science - Quantitative (SQ)	4		

Elective	3
❗ Complete Mathematics (MA) requirement.	
Maintain 2.33 GPA in Critical Tracking Courses.	
Term hours subtotal:	14

Term 4 45 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	Meet with a School of International Letters and Cultures academic advisor to discuss the best study abroad options for your major.
❗ SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Spanish Conversation and Composition for Bilinguals	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Maintain 2.33 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Spanish Conversation and Composition for Bilinguals	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
★ SPA 325: Introduction to Hispanic Literature (HU)	3	C	
Upper Division Major Electives	3	C	
Major Electives	3	C	
Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPA 412: Advanced Conversation and Composition (G)	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
★ Complete 2 courses: Upper Division Major Electives	6	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPA 471: Civilization of the Spanish Southwest ((L or HU) & C) OR SPA 472: Spanish American Civilization (HU & H & G) OR SPA 473: Spanish Civilization ((HU or SB) & G)	3	C	Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.
★ Complete 2 courses: Upper Division Spanish Literature	6	C	
Upper Division Major Electives	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ SLC 491: Crossing Languages and Cultures	3	C
★ Upper Division Spanish Literature	3	C
Upper Division Major Electives	3	C
Upper Division Literacy and Critical Inquiry (L)	3	
Upper Division Elective	3	
Term hours subtotal:	15	

- Enroll in listed courses or in a School of International Letters and Cultures endorsed program abroad.

Spanish Literature
SPA 425: Spanish Literature (HU)
SPA 426: Spanish Literature (HU)
SPA 427: Spanish American Literature (L or HU)
SPA 428: Spanish American Literature (L & G)
SPA 429: Mexican Literature ((L or HU) & G)
SPA 464: Mexican American Literature ((HU or SB) & C)
Major Electives
SPA 319: Business Correspondence and Communication (G)
SPA 400: Introduction to Spanish Linguistics
SPA 486: Mexican American Novel
SPA 4** Elective
POR 101: Elementary Portuguese

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Spanish, BA

College of Liberal Arts and Sciences

Online

LASPABA

Term 1 - A 1 - 8 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SPA 101: Elementary Spanish	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	8		
Term 1 - B 9 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SPA 102: Elementary Spanish	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 2 - A 16 - 22 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SPA 201: Intermediate Spanish (G)	4	C	
MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	7		
Term 2 - B 23 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SPA 202: Intermediate Spanish (G)	4	C	
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	7		
Term 3 - A 30 - 35 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SLC 201: Introduction to Linguistics (HU or SB)	3	C	

SPA 313: Spanish Conversation and Composition (G) OR Upper Division Elective	3	C

Term hours subtotal: 6

Term 3 - B 36 - 41 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

SPA 314: Spanish Conversation and Composition (G) OR
Upper Division Elective

3

C

Social-Behavioral Sciences (SB)

3

 Complete Mathematics (MA) requirement.

 Complete First-Year Composition requirement.

Term hours subtotal: 6

Term 4 - A 42 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

 SPA 325: Introduction to Hispanic Literature (HU)

3

C

Natural Science - Quantitative (SQ)

4

Term hours subtotal: 7

Term 4 - B 49 - 54 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

 SPA 412: Advanced Conversation and Composition (G)

3

C

Cultural Diversity in the U.S. (C)

3

Term hours subtotal: 6

Term 5 - A 55 - 61 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

 Major Electives

3

C

Natural Science - Quantitative (SQ) OR
Natural Science - General (SG)

4

Term hours subtotal: 7

Term 5 - B 62 - 67 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

 4** Spanish Literature

3

C

Historical Awareness (H)

3

Term hours subtotal: 6

Term 6 - A 68 - 73 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

 4** Spanish Literature

3

C

Literacy and Critical Inquiry (L)

3

Term hours subtotal: 6

Term 6 - B 74 - 79 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

 4** Spanish Literature

3

C

Computer/Statistics/Quantitative Applications (CS)	3
Term hours subtotal:	6

Term 7 - A 80 - 85 Credit Hours	Hours	Minimum Grade	Notes
Major Electives	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	6		

Term 7 - B 86 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPA 471: Civilization of the Spanish Southwest ((L or HU) & C) OR SPA 472: Spanish American Civilization (HU & H & G) OR SPA 473: Spanish Civilization ((HU or SB) & G)	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - A 92 - 97 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Major Electives	3	C	
Elective	3		
Term hours subtotal:	6		

Term 8 - B 98 - 103 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Major Electives	3	C	
Elective	3		
Term hours subtotal:	6		

Term 9 - A 104 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Major Electives	3	C	
Elective	2		
Term hours subtotal:	5		

Term 9 - B 109 - 114 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Major Electives	6	C	
Term hours subtotal:	6		

Term 10 - A 115 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SPA 4** Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Spanish Literature

SPA 425: Spanish Literature (HU)

SPA 426: Spanish Literature (HU)

SPA 427: Spanish American Literature (L or HU)

SPA 428: Spanish American Literature (L & G)

SPA 429: Mexican Literature ((L or HU) & G)

SPA 464: Mexican American Literature ((HU or SB) & C)

Major Electives

SPA 319: Business Correspondence and Communication (G)

SPA 400: Introduction to Spanish Linguistics

SPA 486: Mexican American Novel

SPA 4** Elective

POR 101: Elementary Portuguese

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA

College of Liberal Arts and Sciences

Tempe campus

LATCLMBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • Majors are expected to fulfill the College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division TCLS course taught in Spanish
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
TCL Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C	
TCL 220: Transborder Latina/o Expressive Culture ((L or HU or SB) & C)	3	C	

Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C
Natural Science - Quantitative (SQ)	4	
Elective	2	
❗ Complete Mathematics (MA) requirement.		
❗ Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	16	

Term 4 47 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C	• Complete Spanish language proficiency by end of semester 4
Media and Expressive Culture Track Course	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
❗ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 303: Transborder Theory (SB)	3	C	
TCL 332: Mexican American History Since 1900 (SB & H & C) OR HST 332: Mexican American History Since 1900 (SB & H & C)	3	C	
Media and Expressive Culture Track Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 304: Transborder Research Methods (SB & C)	3	C	
Media and Expressive Culture Track Course	3	C	
TCL Upper Division Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 305: Transborder Practicum and Field Research.	3	C	
Media and Expressive Culture Track Course	3	C	
TCL Upper Division Elective	3	C	
Complete 2 courses: Upper Division Elective	6		

Term hours subtotal: 15

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 498: Pro-Seminar	3	C	
Global Awareness (G)	3		
<i>Complete 3 courses:</i> Upper Division Elective	9		
Term hours subtotal:	15		

Media and Expressive Culture

TCL 211: Transborder Chicano/a and Latino/a Poetry (HU & C)

TCL 270: Race and Gender in American Film (HU & C)

TCL 310: Transborder Chicano/a and Latino/a Folklore of Southwest North America (HU & C)

TCL 328: U.S. Latino Religion and Culture (HU & C)

TCL 331: Mexican American History to 1900 (SB & H & C)

TCL 335: Historical Studies in Race, Crime, and the Law

TCL 350: Transborder Mexican and Chicano/a Artistic Production (HU & C & G)

TCL 351: Transborder Chicano/a and Latino/a Art (HU & C)

TCL 352: Chicana/o Film (C)

TCL 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)

TCL 364: Transborder Mexican Literature Before 1917 (L & C)

TCL 370: Signs of Aliens: Semiotics of Film and Popular Culture (HU)

TCL 445: Transborder Latin American Short Story (L or HU)

TCL 446: Comparative Bilingual Latina/o Poetics ((L or HU) & C)

TCL 464: Latina/o Literature ((L or HU) & C)

TCL 465: Chicana/o and Latina/o History on Film (HU & C)

TCL 466: Constructing the Border on Film (C)

TCL 470: Race, Sex, and Identity Online (HU)

TCL 471: Latinos In Hollywood (HU & C)

TCL 485: Chicana and Latina Writers ((L or HU) & C)

TCL 488: Border Global Narratives (L & C)

TCL 490: Transborder Queer Performativity (HU & C)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA

College of Liberal Arts and Sciences

Tempe campus

LATCLTBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • Majors are expected to fulfill the College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division TCLS course taught in Spanish
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
TCL Elective	3		
Computer/Statistics/Quantitative Applications (CS)	3		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)	3	C	
Literacy and Critical Inquiry (L)	3		

Natural Science - Quantitative (SQ)	4	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C
Elective	1	
❗ Complete Mathematics (MA) requirement.		
❗ Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	15	

Term 4 46 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C	• Complete Spanish language proficiency by end of semester 4
TCL 323: Latino Health Issues (SB & C)	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
❗ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 303: Transborder Theory (SB)	3	C	
TCL 321: Transborder Community Development and Health	3	C	
TCL 332: Mexican American History Since 1900 (SB & H & C) OR HST 332: Mexican American History Since 1900 (SB & H & C)	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 304: Transborder Research Methods (SB & C)	3	C	
Transborder Community Development & Health Track Course	3	C	
TCL Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 305: Transborder Practicum and Field Research.	3	C	
Transborder Community Development & Health Track Course	3	C	
TCL Upper Division Elective	3	C	
Global Awareness (G)	3		

Upper Division Elective 3

Term hours subtotal: 15

Term 8 106 - 120 Credit Hours **Necessary course signified by** ★

Hours

**Minimum
Grade**

Notes

★ TCL 498: Pro-Seminar 3 C

Transborder Community Development & Health Track Course 3 C

Upper Division Elective 6

Elective 3

Term hours subtotal: 15

Transborder Community Development & Health

TCL 315: Chicana/o and Latina/o Family Structures (SB)

TCL 326: Health of Chicanas and Latinas (SB & C)

TCL 327: Health and Migration (SB)

TCL 342: Social Demographics of Latino Populations (SB & C)

TCL 410: Race, Medicine, and the Body (L)

TCL 422: U.S.-Mexico Border Health

TCL 424: Theory and Practice of Community Development and Health (SB)

TCL 443: Political Ecology of the Border (SB & G)

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA

College of Liberal Arts and Sciences

 Tempe campus
LATCLUBA

Term 1 0 - 14 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students. • Majors are expected to fulfill the College's language requirement in Spanish. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division TCLS course taught in Spanish
LIA 101: Student Success in the College of Liberal Arts and Sciences		1		
MAT 142: College Mathematics (MA)		3	C	
Humanities, Arts and Design (HU)		3		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).		4	C	
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:		14		
Term 2 15 - 30 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
TCL Elective		3	C	
Computer/Statistics/Quantitative Applications (CS)		3		
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).		4	C	
Elective		3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
 Minimum 2.00 GPA ASU Cumulative.				
Term hours subtotal:		16		
Term 3 31 - 44 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 TCL 201: Transborder Society and Culture I: Interdisciplinary Approaches (HU & C)		3	C	

Literacy and Critical Inquiry (L)	3	
Natural Science - Quantitative (SQ)	4	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C
❗ Complete Mathematics (MA) requirement.		
❗ Minimum 2.00 GPA ASU Cumulative.		
Term hours subtotal:	14	

Term 4 45 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ TCL 202: Transborder Society and Culture II: Contemporary Issues (SB & C)	3	C	• Complete Spanish language proficiency by end of semester 4
TCL 314: Transborder Regional Immigration and Economy ((L or SB) & H & C)	3	C	
Second Language: Requirement satisfied through the following: * Completion of Spanish SPA language course at the intermediate level (202 or equivalent).	4	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
❗ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 303: Transborder Theory (SB)	3	C	
TCL 332: Mexican American History Since 1900 (SB & H & C) OR HST 332: Mexican American History Since 1900 (SB & H & C)	3	C	
US & Mexican Regional Immigration Policy & Economy Track Course	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 304: Transborder Research Methods (SB & C)	3	C	
US & Mexican Regional Immigration Policy & Economy Track Course	3	C	
TCL Upper Division Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TCL 305: Transborder Practicum and Field Research.	3	C	
US & Mexican Regional Immigration Policy & Economy Track Course	3	C	
TCL Upper Division Elective	3	C	
Global Awareness (G)	3		

Upper Division Elective

3

Term hours subtotal: 15

Term 8 106 - 120 Credit Hours **Necessary course signified by** ★**Hours****Minimum
Grade****Notes**

★ TCL 498: Pro-Seminar

3

C

US & Mexican Regional Immigration Policy & Economy Track Course

3

C

Complete 2 courses:
Upper Division Elective

6

Elective

3

Term hours subtotal: 15

US & Mexican Regional Immigration
Policy & EconomyTCL 315: Chicana/o and Latina/o Family
Structures (SB)

TCL 327: Health and Migration (SB)

TCL 331: Mexican American History to
1900 (SB & H & C)TCL 335: Historical Studies in Race,
Crime, and the LawTCL 340: Chicana/o and Latina/o Politics
and Policy (L & C)TCL 341: Policy Issues in Chicana/o and
Latina/o Urban Settings (C)TCL 342: Social Demographics of Latino
Populations (SB & C)TCL 394: U.S.-Mexico Borderlands:
People Place & GovernanceTCL 443: Political Ecology of the Border
(SB & G)TCL 444: The Ethnography of Mexico
and the Borderlands (SB & G)**Notes:**

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120**Upper Division Hours:** 45 minimum**Major GPA:** 2.00 minimum**Cumulative GPA:** 2.00 minimum**Total hrs at ASU:** 120 minimum**Hrs Resident Credit for****Academic Recognition:** 56 minimum**Total Community College Hrs:** 64
maximum**General University Requirements Legend**

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Urban Planning, BSP

College of Liberal Arts and Sciences
Tempe campus
ARPUPBSP

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 142: College Mathematics (MA) OR Mathematics (MA)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Social-Behavioral Sciences (SB)	3		
Elective	5		
Term hours subtotal:	15		

Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PUP 190: Sustainable Cities ((HU or SB) & G)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
CLAS Science and Society Elective	3	C	• For the CLAS Science and Society requirement, go to https://clas.asu.edu/advising-and-academic-services/science-and-society
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			
 Complete First-Year Composition requirement.			
Term hours subtotal:	16		

Term 4 48 - 62 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 PUP 301: Introduction to Urban Planning (L)	3	C	
Literacy and Critical Inquiry (L)	3		
Complete 3 courses: Elective	9		
Term hours subtotal:	15		

Term 5 63 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ GIS 470: Statistics for Geographers (CS)	3	C	For the CLAS Science and Society requirement, go to https://clas.asu.edu/advising-and-academic-services/science-and-society
★ PUP 363: History of Planning	3	C	
Upper Division CLAS Science and Society Elective	3	C	
Upper Division Social-Behavioral Sciences (SB) AND Cultural Diversity in the U.S. (C) OR Upper Division Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 78 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PUP 424: Planning Methods	4	C	
★ 4** PUP Designated Courses	3	C	
★ Skills Course Electives	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	16		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ 4** PUP Designated Courses	3	C	
Skills Course Electives	3	C	
Upper Division Elective	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Skills Course Electives	6	C	
★ 4** PUP Designated Courses	3	C	
PUP Elective	3	C	
Term hours subtotal:	12		

- All students pursuing a B.S. or B.S.P. degree in the College of Liberal Arts and Sciences must complete two courses from the Science and Society list found at <https://clas.asu.edu/advising-and-academic-services/science-and-society>. At least one of the two courses must be upper division. Students must earn a C or better in the courses, and no more than one of the two can also be used to simultaneously fill a requirement of the major, minor or related area. Science and Society courses cannot also be used to fill the general studies HU, SB, SQ or SG requirements.

Skills Course Electives

GIS 205: Geographic Information Technologies (CS)

GIS 211: Geographic Information Science I (CS)

GIS 311: Geographic Information Science II (CS)

GIS 471: Geographic Information Analysis

PUP Upper Division Elective

PUP Designated Courses

PUP 410: Public Participation in Planning

PUP 412: History of the City ((L or HU) & H)

PUP 420: Theory of Urban Design (HU)

PUP 425: Urban Housing Issues

PUP 432: Planning and Development Control Law

PUP 434: Economic Development Planning (L or SB)

PUP 442: Environmental Planning

PUP 465: Sustainable Urbanism

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Women and Gender Studies, BA

College of Liberal Arts and Sciences

Tempe campus
LAWSTBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 WST 100: Women, Gender, and Society (SB & C)	3	C	• An SAT, ACT, Accuplacer or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College-specific equivalent First Year Seminar required of all freshman students • Consult academic advisor for Academic Success Cluster and First Year Seminar options
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
WST 191: First-Year Seminar OR LIA 101: Student Success in the College of Liberal Arts and Sciences	1		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
WST Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 31 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Women and Gender Studies Related Area Course	3	C	• Selection of general studies courses will be determined by elective courses taken to fill the major
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Global Awareness (G)	3		
Literacy and Critical Inquiry (L)	3		

Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4
 Complete Mathematics (MA) requirement.	
Complete First-Year Composition requirement.	
Term hours subtotal:	17

Term 4 48 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 WST 377: History of American Feminist Thought (H & C) OR WST 378: Global Feminist Theory (L & C & G)	3	C	
WST Upper Division Elective	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	14		

Term 5 62 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 WST 380: Race, Gender, and Class (SB & C)	3	C	
Upper Division Women and Gender Studies Related Area Course	3	C	
WST Upper Division Elective	3	C	
Historical Awareness (H)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 WST Upper Division Elective	3	C	
Upper Division Women and Gender Studies Related Area Course	3	C	
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 WST 484: Internship	3	C	
Upper Division Women and Gender Studies Related Area Course	3	C	
WST Upper Division Elective	3	C	
Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 WST 498: Pro-Seminar (L)	3	C	

Upper Division Women and Gender Studies Related Area Course	3	C
Upper Division Elective	3	
<i>Complete 2 courses:</i> Elective	5	
Term hours subtotal:		14

Women and Gender Studies Related Area Courses

AFR 312: Contemporary African and African Diaspora Women

AFR 331: Studies in African American Women Writers of Pre-Harlem Renaissance

AFR 375: Race, Gender and Sport (SB & C)

AFR 460: Race, Gender and Media (C)

ALD 404: Sexuality in Mid-Life and Beyond

ALD 472: Women, Aging, and the Life Course

AMS 431: Gender and Sexuality in Sports

APA 330: Asian Pacific American Genders and Sexualities (SB & C)

ARB 341: Quran Text and Women

ARS 485: Women in the Visual Arts (L)

ASB 210: Human Sexuality: Anthropological Perspectives (SB & G)

ASB 211: Women in Other Cultures ((HU or SB) & G)

ASB 440: Women in the Global Factory (SB & G)

COM 316: Gender and Communication (SB & C)

COM 416: Gender, Race, Colonialism, and Media

COM 446: Performance of Literature Written by Women ((L or HU) & C)

CRJ 305: Gender, Crime, and Criminal Justice (C)

ENG 364: Women and Literature (HU)

ENG 454: Gender and Literature (L or HU)

ENG 455: Contemporary Women Writers

ENG 460: Ethnic Women Writers

ENG 461: Studies in Women and Literature (HU)

ENG 462: Africana Literature (HU & G)

FAS 331: Marriage and Family Relationships (SB)

FAS 332: Human Sexuality (SB)

FAS 436: Sexuality in Mid-Life and Beyond

FAS 472: Women, Aging, and the Life Course

FMS 270: Race and Gender in American Film (HU & C)

HPS 312: History of Women in Science and Medicine (HU or SB)

HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)

HST 329: Women in 20th-Century U.S. West (H & C)

HST 378: Latin American Women: The National Period (SB & G & H)

HST 415: Unequal Sisters: Women and Political and Cultural Change ((L or SB) & H & C)

HST 464: Women in Europe to 1750 (H)

HST 465: Women in Europe, 1750 to Present ((L or HU or SB) & H)

IAP 310: Women in Art

IAS 310: Women in Art

JUS 329: Domestic Violence (SB)

JUS 415: Gender and International Development (L & G)

JUS 420: Women, Work, and Justice ((L or SB) & C)

JUS 422: Women, Law, and Social Control

JUS 425: Race, Gender, and Justice ((L or SB) & C)

JUS 460: Feminism and Justice (C)

KIN 441: Physiology of Women in Sport (L)

LSC 363: Genes, Race, Gender, and Society (L)

MCO 460: Race, Gender, and Media (C)

MUS 410: History of Women in Music (HU & C & H)

POS 435: Women and Politics (SB & C)

POS 436: Gender, Sexuality, Nation-States

POS 437: Women, Power, and Politics (G)

PSY 369: Biology of Human Sexuality

PSY 385: Psychology of Gender

PUP 445: Women and Environments (C)

REL 369: Women in Islam

REL 373: Women in Judaism

REL 390: Women and Religion (HU & G)

REL 393: Religion and Sexuality (HU)

REL 396: Women in the Bible

SOC 264: Gender and Society (SB & C)

SOC 315: Courtship and Marriage (SB)

SOC 424: Women and Health (SB)

TCL 270: Race and Gender in American Film (HU & C)

WSH OR WST Upper Division Elective

Notes:

- Please keep in mind that the applicability of a specific transfer course toward an ASU degree program depends on the requirements of the department, division, college or school in which you are enrolled at ASU. Transfer agreements that guarantee the completion of university level requirements do not necessarily meet college and major requirements. Please consult with an advisor for more information.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 120 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map American Studies, BA

New College of Interdisciplinary Arts and Sciences

West campus
ASAMSBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
 HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	
IAS 191: New College Freshman Seminar	2	C	
MAT 142: College Mathematics (MA)	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	6		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 AMS 201: American Style (L)	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 47 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

 Cultural Diversity in the U.S. (C)	3	
Humanities, Arts and Design (HU)	3	
Complete 2 courses: Focus Area	6	C
Elective	3	
Term hours subtotal:	15	

Term 5 62 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 AMS 330: Documenting American Lives (HU & C)	3	C	AMS 330: Documenting American Lives will also count toward the Cultural Diversity [C] requirement in the Upper Division Language and Culture Requirement.
 HRC 310: Social and Cultural Studies: Method and Theory	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Complete 2 courses: Upper Division Focus Area	6	C	
Complete 2 courses: Upper Division Elective	6		
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	15		

Term 7 92 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Complete 2 courses: Upper Division Focus Area	6	C	
Upper Division Elective	3		
Complete 2 courses: Elective	5		
Term hours subtotal:	14		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HRC 480: Capstone: Practices and Approaches	3	C	
Complete 2 courses: Upper Division Elective	6		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Focus Area

AMS OR ENG OR HST Elective

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

Total College Residency Hrs: 12
minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Applied Computing, BS

New College of Interdisciplinary Arts and Sciences

West campus
ASACOBs

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACO 101: Introduction to Computer Science (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses. • ASU Math Placement Exam score determines placement in Mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Mathematics (MA)	3	C	
IAS 191: New College Freshman Seminar	2	C	
Historical Awareness (H)	3		
 Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACO 102: Object-Oriented Programming (CS)	3	C	
 MAT 210: Brief Calculus (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACO 201: Data Structures and Algorithms (CS)	3	C	
 MAT 243: Discrete Mathematical Structures	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
 Maintain 2.00 GPA in Critical Tracking Courses.			

Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 46 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACO 210: Introduction to Systems Programming (CS)	3	C	
 STP 226: Elements of Statistics (CS)	3	C	
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
 Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:		15	

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ACO 320: Database Systems and Transaction Processing	3	C	
 ACO 330: Computer Networks	3		
COM 457: New Media OR IAP 464: Media and Diversity (HU & G) OR IAS 406: Moral Dilemmas (L or HU) OR PHI 406: Moral Dilemmas (L or HU)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	2		
Term hours subtotal:		15	

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 <i>Complete 2 courses:</i> Upper Division Database Systems or Computer Networks Elective	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Liberal Arts	3	C	
Elective	3		
Term hours subtotal:		15	

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Database Systems or Computer Networks Elective	3	C	
 ACO 484: Internship OR ACO 499: Individualized Instruction	3	Y	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Liberal Arts	3	C	
Liberal Arts	3	C	
Term hours subtotal:		15	

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ Upper Division Database Systems or Computer Networks Elective	3	C
★ ACO 484: Internship OR ACO 499: Individualized Instruction	3	Y
Upper Division Liberal Arts	3	C
Complete 2 courses: Upper Division Elective	6	
Term hours subtotal:	15	

Liberal Arts
AMS Elective
ARS Elective
ASB Elective
COM Elective
ECN Elective
ENG Elective
HST Elective
IAP Elective
IAS Elective
PHI Elective
POS Elective
PSY Elective
SBS Elective
SOC Elective
WST Elective
Database Systems or Computer Networking Elective
ACO 321: Database Development & Applications
ACO 331: Network Design
ACO 420: Object Databases
ACO 421: Data Mining and Warehousing
ACO 422: XML and Databases
ACO 430: Wireless Networks
ACO 431: Network Security
ACO 432: Distributed Systems

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
**Hrs Resident Credit for
Academic Recognition:** 56 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

Total Community College Hrs: 64
maximum

Total College Residency Hrs: 12
minimum

- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Applied Mathematics, BS

New College of Interdisciplinary Arts and Sciences

West campus
ASMATBS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACO 101: Introduction to Computer Science (CS)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IAS 191: New College Freshman Seminar	2	C	
MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACO 102: Object-Oriented Programming (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
MAT 272: Calculus with Analytic Geometry III (MA)	4	C	
Natural Science - Quantitative (SQ)	4		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		
Term 4 46 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 275: Modern Differential Equations (MA)	3	C	

Literacy and Critical Inquiry (L)	3
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4
Complete 2 courses: Elective	5
Term hours subtotal:	15

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 300: Mathematical Structures (L)	3	C	
STP 421: Probability	3	C	
Cultural Diversity in the U.S. (C)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 421: Applied Computational Methods (CS)	3	C	
MAT 343: Applied Linear Algebra	3	C	
STP 420: Introductory Applied Statistics (CS)	3	C	
Historical Awareness (H)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 371: Advanced Calculus I	3	C	
★ MAT 499: Individualized Instruction	3	C	
★ Upper Division Applied Math Elective	3	C	
MAT 350: Techniques and Applications of Applied Mathematics	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ MAT 499: Individualized Instruction	3	C	
★ Upper Division Applied Math Elective	3	C	
Global Awareness (G)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Applied Math Elective

MAT 419: Introduction to Linear Optimization (CS)

MAT 429: Optimization

MAT 450: Mathematical Models in Biology

MAT 452: Introduction to Chaos and Nonlinear Dynamics

MAT 462: Applied Partial Differential Equations

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

Total College Residency Hrs: 12 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.



Name (Last, First)			ASU ID #	Date
Total Hours (120)	Upper Division (45 hours minimum)	AAS Transfer Hours (60/75)	ASU Resident Credit (30 hours minimum)	GPA (2.0 minimum)
BAS Core Requirements (24 hours)			BAS Core Requirements - continued	
1) Bridge, Management & Communication Skills		12 hours	5) Exit Project (Choose one)	3 hours
ENG 301 Writing for the Professions (L)			IAS 480 Capstone: Practices and Approaches OR	
ENG 311 Persuasive Writing (L) (Spring)			IAS 484 Internship	
IAS 300 Adult Career Development (L or SB)				
IAS 305 Work and Identity (SB)			BAS General Studies	
			1) MAT 142 or higher (MA)	3 hours
2) Quantitative Skills (Choose one)		3 hours		
EDT 321 Computer Literacy (CS)			2) Social-Behavioral Science (SB)	3 hours
SBS 304 Social Statistics (CS) (Fall)				
			3) Natural Science with lab (SQ and SQ/SG)	8 hours
3) Aesthetics/Creativity (Choose one)		3 hours		
ARS 300 Introduction to Art (HU)			4) Cultural Diversity in the U.S. (C)	3 hours
FMP 300 Focus on Film				
IAP 301 Energetic Systems of Art			5) Global Awareness (G)	3 hours
IAP 307 Art and War (HU & G)				
MUS 340 Music for the Concert Hall, Stage, and Screen (HU & H)			6) Historical Awareness (H)	3 hours
MUS 347 Jazz in America (HU & C)				
MUS 349 Music in America (HU & H)			7) ENG 101 First-Year Composition	3 hours
MUS 354 Popular Music (HU)				
THE 320 History of the Theatre I (HU & H)			8) ENG 102 First-Year Composition	3 hours
THE 321 History of Theatre II (HU & H)				
4) Ethics (Choose one)		3 hours		
IAS 340 Bioethics (HU) or PHI 320 Bioethics (HU)				
IAS 406 Moral Dilemmas (L or HU) or PHI 406 Moral Dilemmas (L or HU)			BAS Individualized Concentration	
IAS 407 Environmental Philosophy and Policy (L or HU) or PHI 407 Environmental Philosophy and Policy (L or HU)			18 hours	
IAS 408 Feminist Ethics (HU) or PHI 408 Feminist Ethics (HU)			Courses may be used to satisfy any remaining GS awareness areas.	
IAS 409 Eco-Community Ethics (HU) or PHI 409 Eco-Community Ethics (HU)				
IAS 401 Sacred Scriptures and Social Choices (HU & G) or REL 401 Sacred Scriptures and Social Choices (HU & G)				
IAS 410 Evolution of Ideas (L or HU)			Elective Credit (as needed to reach 60 total)	
IAS 430 Science and Religion (L or HU)			Courses may be used to satisfy any remaining GS awareness areas.	
PHI 306 Applied Ethics (HU)				
PHI 318 Philosophy of Religion (HU)				
PHI 360 Business and Professional Ethics (HU)				

Academic Catalog Archive 2014-2015 2499



Bachelor of Applied Science Catalog Year: 2014-2015

Advising Appointments: (602) 543-4444

This program allows students who have earned an AAS from an accredited institution to transfer 60 credit hours toward a BAS at ASU. Students transferring from a regionally accredited Arizona public community college can transfer up to 15 additional credit hours of general studies courses (75 credit hours total). Students pursuing the 75 credit option may have more than 45 credit hours to complete in order to obtain their Bachelor of Applied Science upon transfer to ASU. Students should work with their academic advisor to ensure their courses will meet degree requirements.

Total Hours (120 Minimum)	Total Upper Division Hours (45 Minimum)	Community College Transfer Hours (60/75 maximum)	Total Major Hours (45/60 Minimum)	Total ASU Hours (30 Minimum)

UNIVERSITY REQUIREMENTS

GENERAL STUDIES (35 hours minimum): All students enrolled in a baccalaureate degree program must successfully complete minimum of 35 semester hours of approved general studies courses. Many General Studies courses are approved as satisfying more than one requirement. The following conditions govern the application of courses toward General Studies requirements:

1. A single course may be used to satisfy one core area and a maximum of two awareness area requirements.
2. A single course may be used to satisfy a maximum of two awareness area requirements.
3. A single course cannot be used to satisfy two core area requirements, even if it is approved for more than one core area.

COURSE NUMBER AND TITLE	SEM/YR	SEM HR	GEN STDY	GRADE	UPPER DIV

FIRST YEAR COMPOSITION (3-6 hours): ENG 101 and 102 or ENG 105 or ENG 107 and 108 (grade of "C" or better required)

FIVE CORE AREAS (Literacy, Mathematical Studies, Humanities, Social-Behavioral Sciences, and Natural Sciences)

Literacy and Critical Inquiry (6 hours): Requires at least three hours of upper division

				L		✓
				L		

Mathematical Studies (6 hours): Requires one course from Mathematics (MA) category and one from Statistics, Quantitative Reasoning, or Computer Applications (CS) categories. The MA course must have a grade of "C" or better to meet the College's Mathematics Requirement.

				MA		
				CS		

Combined Humanities, Arts and Design (HU) and Social-Behavioral Sciences (SB) (15 hours): Must complete nine (9) hours in one core area, six (6) in the other; must include at least one upper division course. See catalog for details.

				HU		
				HU		
				HU or SB		✓
				SB		
				SB		

Natural Sciences (8 hours): Requires two natural science laboratory courses: Natural Science – Quantitative (SQ) or Natural Science – General (SG). Of these, at least four hours must be taken from the SQ category. See catalog for restrictions.

				SQ		
				SQ/SG		

THREE AWARENESS AREAS (9 hours): Requires courses representing all 3 of the awareness areas: Cultural Diversity (C), Global Awareness (G), Historical Awareness (H).

				C		
				G		
				H		

For more information, visit our web site at <http://newcollege.asu.edu/advising/harcs/>. See advisor for prior catalog year check sheet. Material on check sheet is unofficial and subject to change. Updated on 6/5/2014

2014 - 2015 Major Map Communication, BA

New College of Interdisciplinary Arts and Sciences

Lake Havasu City, West campus
ASCOMMBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IAS 191: New College Freshman Seminar	2	C	
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 4 47 - 61 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	COM 207: Introduction to Communication Inquiry	3	C	
	Cultural Diversity in the U.S. (C)	3		
	Historical Awareness (H)	3		
	Complete 2 courses: Elective	6		
	Maintain 2.00 GPA in Critical Tracking Courses.			
	Term hours subtotal:	15		
Term 5 62 - 76 Credit Hours Necessary course signified by 		Hours	Minimum Grade	Notes
	COM 308: Advanced Research Methods in Communication (L)	3	C	
	Complete 2 courses: COM Upper Division Elective	6	C	
	Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
	Elective	3		
	Term hours subtotal:	15		
Term 6 77 - 91 Credit Hours Necessary course signified by 		Hours	Minimum Grade	Notes
	COM 309: Rhetorical, Interpretive, and Critical Methods in Communication	3	C	
	COM 4** Elective	3	C	
	Complete 2 courses: COM Upper Division Elective	6	C	
	Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
	Term hours subtotal:	15		
Term 7 92 - 105 Credit Hours Necessary course signified by 		Hours	Minimum Grade	Notes
	Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a			
	Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
	Complete 2 courses: COM 4** Elective	6	C	
	Upper Division Elective	3		
	Elective	2		
	Term hours subtotal:	14		
				Minimum

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Grade	Notes
★	Complete 2 courses: COM 4** Elective		6	C	
	Complete 3 courses: Elective		9		
Term hours subtotal:			15		

Notes:

- Students can include only 12 hours of omnibus credit in their total hours toward graduation. Six of these hours may be taken as credit toward the major. An additional six hours may be taken outside the major. Exceptions can be granted with faculty approval only.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

Total College Residency Hrs: 12
minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Communication, BS

New College of Interdisciplinary Arts and Sciences

West campus
ASCOMMB

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IAS 191: New College Freshman Seminar	2	C	
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
PSY 230: Introduction to Statistics (CS) OR STP 226: Elements of Statistics (CS)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Maintain 2.00 GPA in Critical Tracking Courses.			

Term hours subtotal: 16

Term 4 47 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ COM 207: Introduction to Communication Inquiry	3	C	
Cultural Diversity in the U.S. (C)	3		
Historical Awareness (H)	3		
Complete 2 courses: Elective	6		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 308: Advanced Research Methods in Communication (L)	3	C	
PSY 330: Statistical Methods (CS) OR SBS 304: Social Statistics I (CS) OR STP 420: Introductory Applied Statistics (CS)	3	C	
Complete 2 courses: COM Upper Division Elective	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 309: Rhetorical, Interpretive, and Critical Methods in Communication	3	C	
COM 4** Elective	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 7 92 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses: COM 4** Elective	6	C	
Complete 2 courses: Elective	5		
Term hours subtotal:	14		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: COM 4** Elective	6	C	
Complete 3 courses: Elective	9		
Term hours subtotal:	15		

Notes:

- Students can include only 12 hours of omnibus credit in their total hours toward graduation. Six of these hours may be taken as credit toward the major. An additional six hours may be taken outside the major. Exceptions can be granted with faculty approval only.

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

Total College Residency Hrs: 12 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map English, BA

New College of Interdisciplinary Arts and Sciences

West campus
ASENGBA

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
IAS 191: New College Freshman Seminar	2	C	
MAT 142: College Mathematics (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	
Literature and Culture before 1860 Course	3	C	
ENG Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 47 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

 ENG Elective	3	C
Literature and Culture after 1860 Course	3	C
Humanities, Arts and Design (HU)	3	
Global Awareness (G)	3	
Historical Awareness (H)	3	
Term hours subtotal:	15	

Term 5 62 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Critical Theories Course	3	C	
 ENG Upper Division Elective	3	C	
 ENG Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Ethnicity, Gender and Postcoloniality Course	3	C	
 ENG Elective	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Writing and Linguistics Course	3	C	
 ENG Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes



Complete 3 courses:
ENG Upper Division Elective

9

C

Upper Division Elective

3

Elective

2

Term hours subtotal:

14

- Students must complete two of the courses in the major at the 400-level.

Writing and Linguistics

ENG 210: Introduction to Creative Writing, Literature, Mixed Genre, Playwriting

ENG 213: Introduction to the Study of Language

ENG 219: Newspaper Production (L)

ENG 243: Introduction to Writing Family History (L)

ENG 288: Beginning Creative Writing Workshop in Fiction

ENG 301: Writing for the Professions (L)

ENG 311: Persuasive Writing (L)

ENG 312: English in its Social Setting (L or HU or SB)

ENG 317: Cross-Cultural Writing ((L or HU) & G)

ENG 323: Rhetoric and Grammar (L)

ENG 361: Scriptwriting

ENG 388: Intermediate Creative Writing Workshop in Fiction: Form, Theory, and Practice

ENG 410: Writing for Publication

ENG 472: Rhetorical Studies (L)

Critical Theories

ENG 400: History of Literary Criticism ((L or HU) & H)

ENG 401: Topics in Critical Theory

ENG 472: Rhetorical Studies (L)

ENG 479: Studies in Postmodernism (HU & G)

Ethnicity, Gender and Postcolonality

ENG 317: Cross-Cultural Writing ((L or HU) & G)

ENG 334: The American Southwest in Literature and Film. ((L or HU) & C)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)

ENG 420: Multicultural Autobiographies
(L or HU) & C)

ENG 454: Gender and Literature (L or
HU)

ENG 460: Ethnic Women Writers

ENG 461: Studies in Women and
Literature (HU)

ENG 462: Africana Literature (HU & G)

ENG 463: African American Literature

ENG 476: Oral Traditions ((L or HU or
SB) & C)

ENG 477: World Literature ((L or HU) &
G)

Literature and Culture after 1860

ENG 222: Survey of English Literature
(HU & H)

ENG 242: Literatures of the United States,
1860 to Present (HU)

ENG 334: The American Southwest in
Literature and Film. ((L or HU) & C)

ENG 342: 20th-Century British and Irish
Literature (HU)

ENG 353: African American Literature:
Beginnings through the Harlem
Renaissance ((L or HU) & C)

ENG 354: African American Literature:
Harlem Renaissance to the Present ((L or
HU) & C)

ENG 365: History of Film (HU)

ENG 431: Whitman and Dickinson (HU)

ENG 450: The British Novel (HU)

ENG 478: Studies in Modernism (L or
HU)

ENG 479: Studies in Postmodernism (HU
& G)

Literature and Culture before 1860

ENG 221: Survey of English Literature
(HU)

ENG 241: Literatures of the United States
to 1860 (HU)

ENG 328: The Novel to Jane Austen (HU
& H)

ENG 413: History of English Language
(HU)

ENG 418: Renaissance Literature (L or
HU)

ENG 421: Studies in Shakespeare (HU)

ENG 423: Renaissance Drama (L or HU)

ENG 425: Studies in Romanticism (HU)

ENG 432: The American Renaissance
(HU)

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map English (Secondary Education), BA

New College of Interdisciplinary Arts and Sciences

West campus
ASENGSEBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Mathematics Placement Test score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
IAS 191: New College Freshman Seminar	2	C	
MAT 142: College Mathematics (MA)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	1	C	
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion	3	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
EDT 180: Problem Solving using Digital Technology Applications (CS)	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 3 33 - 49 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	
ENG 213: Introduction to the Study of Language	3	C	
ENG 221: Survey of English Literature (HU)	3	C	
ENG 241: Literatures of the United States to 1860 (HU)	3	C	
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Elective	2	C	
 Complete Mathematics (MA) requirement.			
 Milestone: Meet with Teachers College advisor.			

Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 17

Term 4 50 - 64 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 222: Survey of English Literature (HU & H)	3	C	
ENG 242: Literatures of the United States, 1860 to Present (HU)	3	C	
TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Writing and Literacy Course	3	C	
Elective	3	C	
 Minimum 2.00 GPA ASU Cumulative.			
 Milestone: Attend enrollment workshop.			
 Milestone: Obtain DPS fingerprint clearance card.			
 Milestone: Must attend iTeachAZ orientation the semester prior to starting field experience.			
 Milestone: Submit intent to progress form (online)			
Term hours subtotal:		15	

Term 5 65 - 80 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ENG 485: Digital Tools	3	C	
 RDG 323: Literacy Processes in Content Areas	3	C	
 SED 396: Clinical Experience I	1	Y	
 Ethnicity, Gender and Conflict Course	3	C	
 Linguistics, Rhetoric and Grammar Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
 Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 6 81 - 96 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BLE 407: SEI for Secondary Students	3	C	
 ENG 471: Literature for Young Adults (HU)	3	C	
 ENG 480: Methods of Teaching English: Composition (L)	3	C	
 ENG 489: Culturally Sustaining Pedagogy	3	C	
 SED 397: Clinical Experience II	1	Y	
 SPE 417: Inclusion Practices at the Secondary Level	3	C	

★ Minimum 2.00 GPA ASU Cumulative.

Term hours subtotal: 16

Term 7 97 - 112 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ENG 482: Methods of Teaching English: Language (L)	3	C	• All degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching.
★ ENG 486: Teaching Text	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 496: Clinical Experience III	1	Y	
★ Shakespearean Literature Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
★ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 8 113 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching in the Secondary School	8	Y	
★ Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:		8	

Linguistics, Rhetoric and Grammar

ENG 312: English in its Social Setting (L or HU or SB)

ENG 314: Modern Grammar

ENG 323: Rhetoric and Grammar (L)

ENG 413: History of English Language (HU)

Shakespearean Literature

ENG 321: Shakespeare (L or HU)

ENG 421: Studies in Shakespeare (HU)

ENG 422: Special Topics in Shakespeare (HU)

Writing and Literacy

ENG 215: Strategies of Academic Writing (L)

ENG 216: Persuasive Writing on Public Issues (L)

ENG 217: Writing Reflective Essays (L)

ENG 311: Persuasive Writing (L)

ENG 317: Cross-Cultural Writing ((L or HU) & G)

Ethnicity, Gender and Conflict

ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)

WST 449: Hate Speech, Manifestos, and Radical Writings

WST 473: Indigenous and Latina/Chicana Representation (SB & C)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

Total College Residency Hrs: 12 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Ethnicity, Race and First Nations Studies, BA

New College of Interdisciplinary Arts and Sciences

West campus
ASETHBA

Term 1 0 - 17 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
IAS 191: New College Freshman Seminar	2	C	
MAT 142: College Mathematics (MA)	3	C	
Historical Awareness (H)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	17		
Term 2 18 - 33 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 ETH 100: Introduction to Ethnic Studies (SB & C)	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 34 - 49 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 WST 100: Women, Gender, and Society (SB & C)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Term 4 50 - 64 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

 Humanities, Arts and Design (HU)	3	
Career Course (see Advisor)	3	C
Computer/Statistics/Quantitative Applications (CS)	3	
Complete 2 courses: Elective	6	
Term hours subtotal:	15	

- For Career Course, select a career area in consultation with an advisor. Select 6 credit hours based on the following career focus areas: Arts & Music, Business, Education/Teaching, Health, Law, Policy & Public Sector, Spanish, Science & Technology, and Social Entrepreneurship.

Term 5 65 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HRC 310: Social and Cultural Studies: Method and Theory OR ENG 317: Cross-Cultural Writing ((L or HU) & G)	3	C	• For Upper Division Career Course, select a career area in consultation with an advisor. Select 6 credit hours based on the following career focus areas: Arts & Music, Business, Education/Teaching, Health, Law, Policy & Public Sector, Spanish, Science & Technology, and Social Entrepreneurship.
 Upper Division Career Course (see Advisor)	3	C	
Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Elective	2		
Term hours subtotal:	14		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HRC 310: Social and Cultural Studies: Method and Theory OR ENG 317: Cross-Cultural Writing ((L or HU) & G)	3	C	
 Complete 2 courses: Upper Division Cluster Course	6	C	
Upper Division Elective	3		
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Complete 2 courses: Upper Division Cluster Course	6	C	
 Complete 2 courses: Cluster Course	6	C	
Elective	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ HRC 480: Capstone: Practices and Approaches	3	C	
★ <i>Complete 2 courses:</i> Upper Division Cluster Course	6	C	
Upper Division Elective	3		
Term hours subtotal:	12		

- For Cluster Courses, students must choose two courses from each of the four clusters listed below, for a total of 24 credit hours; at least 18 credit hours must be upper division.

Identity Matters Cluster List

AMS 330: Documenting American Lives (HU & C)

ENG 420: Multicultural Autobiographies ((L or HU) & C)

ENG 476: Oral Traditions ((L or HU or SB) & C)

SBS 301: Cultural Diversity ((L or SB) & C)

WST 370: Chronicling Women's Lives (HU & C)

WST 473: Indigenous and Latina/Chicana Representation (SB & C)

Community & Policy Matters Cluster List

AMS 428: Chicano Cultures in the Southwest (SB)

IAS 407: Environmental Philosophy and Policy (L or HU)

IAS 409: Eco-Community Ethics (HU)

PHI 407: Environmental Philosophy and Policy (L or HU)

PHI 409: Eco-Community Ethics (HU)

WST 380: Race, Gender, and Class (SB & C)

Literacy Matters Cluster List

ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C)

ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C)

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)

ENG 460: Ethnic Women Writers

ENG 462: Africana Literature (HU & G)

IAP 464: Media and Diversity (HU & G)

WST 467: Ethnic Women Writers (HU & C)

Transnational Matters Cluster List

HST 454: History of Genocide (G & H)

REL 390: Women and Religion (HU & G)

SOC 324: Work and the Workplace (SB & H)

WST 390: Women and Religions (HU & G)

WST 430: Gender on the Borderlands (SB & G)

WST 475: Women of the Diaspora across Cultures (HU)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

Total College Residency Hrs: 12 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Forensics, BS**

New College of Interdisciplinary Arts and Sciences

West campus
ASFOREBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Mathematics Placement Test score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IAS 191: New College Freshman Seminar	2	C	
MAT 210: Brief Calculus (MA)	3	C	
Term hours subtotal:	16		
Term 2 17 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	
 CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I	3	C	
 CHM 237: General Organic Chemistry Laboratory I	1	C	
COM 225: Public Speaking (L) or COM 222: Argumentation (L)	3	C	
CRJ 100: Introduction to Criminal Justice (SB)	3	C	
PHY 111: General Physics (SQ)	3	C	
PHY 113: General Physics Laboratory (SQ)	1	C	
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Minimum

Term 4 45 - 59 Credit Hours Critical course signified by 	Hours	Grade	Notes
 CHM 234: General Organic Chemistry II	3	C	
 CHM 238: General Organic Chemistry Laboratory II	1	C	
PHY 112: General Physics (SQ)	3	C	
PHY 114: General Physics Laboratory (SQ)	1	C	
STP 226: Elements of Statistics (CS)	3	C	
Historical Awareness (H)	3		
Elective	1		
Term hours subtotal:	15		

Term 5 60 - 73 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIO 305: Biology Behind the Crime Scene (SG)	4	C	
 LSC 347: Fundamentals of Genetics	3	C	
 LSC 348: Fundamentals of Genetics Laboratory	1	C	
Humanities, Arts and Design (HU)	3		
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	14		

Term 6 74 - 89 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIO 353: Cell Biology	3	C	
 BIO 354: Cell Biology Laboratory	1	C	
CRJ 230: Introduction to Policing	3	C	
CHM 302: Environmental Chemistry	3	C	
 Upper Division FOR Elective	3	C	
ENG 301: Writing for the Professions (L) or ENG 311: Persuasive Writing (L)	3	C	
Term hours subtotal:	16		

Term 7 90 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BCH 371: Modern Concepts in Biochemistry	3	C	
 BCH 372: Modern Concepts in Biochemistry Laboratory	1	C	
FOR 376: Analytical Chemistry for Life Sciences Lab	3	C	
FOR 375: Analytical Chemistry for Life Sciences	3	C	
Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G) OR Upper Division Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Language and Cultures: Requirement satisfied through the following: * Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country; * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or	3	C	

four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used;
 * Completion of two sequential semesters of coursework in a current computer language.

Term hours subtotal: 16

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	Complete 3 courses:				
	Upper Division FOR Elective		9	C	
★	FOR 475: Toxicology		3	C	
	Language and Cultures: Requirement satisfied through the following: * Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country; * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used; * Completion of two sequential semesters of coursework in a current computer language.		3	C	

Term hours subtotal: 15

FOR Upper Division Elective

FOR 394: Comparative Forensics

FOR 350: Computer Forensics

FOR 394: Forensic Biology

FOR 394: Special Topics

FOR 499: Individualized Instruction

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

Total College Residency Hrs: 12 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map History, BA

New College of Interdisciplinary Arts and Sciences
West campus
ASHISBA

Term 1 0 - 17 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 Two Semester Survey in U.S., European or World History AND Historical Awareness (H)	AND	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
IAS 191: New College Freshman Seminar		2	C	
MAT 142: College Mathematics (MA)		3	C	
Humanities, Arts and Design (HU)		3		
Social-Behavioral Sciences (SB)		3		
Term hours subtotal:		17		
Term 2 18 - 33 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 Two Semester Survey in U.S., European or World History AND Historical Awareness (H)	AND	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
Computer/Statistics/Quantitative Applications (CS)		3		
Humanities, Arts and Design (HU)		3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)		4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		16		
Term 3 34 - 49 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 HST Elective		3	C	
Cultural Diversity in the U.S. (C)		3		
Literacy and Critical Inquiry (L)		3		
Natural Science - Quantitative (SQ)		4		
Social-Behavioral Sciences (SB)		3		
 Complete Mathematics (MA) requirement.				
Term hours subtotal:		16		

Term 4 50 - 64 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HST Elective	3	C	
Related Area Course	3	C	
Global Awareness (G)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		
Term 5 65 - 79 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Non-US Non-European History Course	3	C	For Upper Division Non-US Non-European History Course, please see advisor for more information.
 HST Upper Division Elective	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Elective	3		
Term hours subtotal:	15		
Term 6 80 - 94 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Non-US Non-European History Course	3	C	For Upper Division Non-US Non-European History Course, please see advisor for more information.
 Related Area Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		
Term 7 95 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Complete 2 courses: HST Upper Division Elective	6	C	
 Complete 2 courses: Upper Division Related Area Course	6	C	
Elective	2		
Term hours subtotal:	14		
Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ HST 495: Methods of Historical Inquiry (L)	3	C
★ Upper Division Related Area Course	3	C
Complete 2 courses: Upper Division Elective	6	
Term hours subtotal:		12

- Every History major must select two courses from one of the three survey tracks: U.S., European, or World History.

History Related Area Courses

AMS Elective

ENG Elective

ETH Upper Division Elective

HIS OR HST Elective

PHI Elective

REL Upper Division Elective

SPA Elective

Non-US/Non European History Courses

HST 303: Studies in Asian History (SB & H)

HST 305: Studies in Latin American History (SB & H)

HST 307: Studies in African History (H)

HST 375: Colonial Latin America (SB & H)

HST 376: Modern Latin America (SB & H)

HST 378: Latin American Women: The National Period (SB & G & H)

HST 383: China (SB & H)

HST 384: China (SB & G & H)

HST 385: History of Chinese Medicine (HU & H & G)

HST 386: Interpreting China's Classics ((L or HU) & H)

HST 387: Japan ((L or SB) & H)

HST 388: Japan (SB & G & H)

HST 389: Japan Society and Values/Premod

HST 391: Modern Southeast Asia (SB & G & H)

HST 435: The Russian Empire (SB & H)

HST 436: The Soviet Experiment (SB & G & H)

HST 445: 20th-Century Cuba (SB & G & H)

HST 447: Modern Mexico (SB & H)

HST 450: Postmodern Mexico ((L or HU) & G & H)

HST 451: Chinese Cultural History I ((HU or SB) & H)

HST 452: Chinese Cultural History II (SB & G & H)

HST 453: The People's Republic of China (SB & G & H)

Two Semester Survey in European History

HST 102: Western Civilization: Ancient and Medieval Europe (SB & H)

HST 103: Western Civilization: Renaissance to Enlightenment ((HU or SB) & H)

HST 104: Western Civilization: French Revolution to European Union ((HU or SB) & G & H)

Two Semester Survey in World History

HST 100: Global History to 1500 (HU & H & G)

HST 101: Global History Since 1500 (HU & H & G)

Two Semester Survey in U.S. History

HST 109: United States to 1865 ((HU or SB) & H)

HST 110: United States Since 1865 (SB & H)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

Total College Residency Hrs: 12 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map History (Secondary Education), BA

New College of Interdisciplinary Arts and Sciences

West campus
ASHISSEBA

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IAS 191: New College Freshman Seminar	2	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
Term hours subtotal:	15		
Term 2 16 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	
BLE 220: Foundations of Structured English Immersion	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	
EDT 180: Problem Solving using Digital Technology Applications (CS) or EDT 321: Mobile Technologies and Your World (CS)	3		
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	2		
 Complete Mathematics (MA) requirement.			

Milestone: Complete online intent to progress form.

Term hours subtotal: 15

Term 4 46 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G) OR HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	
Social-Behavioral Sciences (SB)	3		
Complete 3 courses: Elective	9		
Milestone: DPS fingerprint clearance card on file with MLFTC advising office (to be uploaded with iTeachAZ application)			
Milestone: Must attend iTeachAZ orientation the semester prior to starting field experience.			
Term hours subtotal:	15		

Term 5 61 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EDP 313: Childhood and Adolescence (SB)	3	C	
 SED 396: Clinical Experience I	1	Y	
 TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Upper Division Latin America Elective	3	C	
Upper Division US History Elective	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	16		

Term 6 77 - 92 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HST 480: Methods of Teaching History: Classroom Resources	3	C	
 HST 495: Methods of Historical Inquiry (L)	3	C	
 RDG 323: Literacy Processes in Content Areas	3	C	
 SED 397: Clinical Experience II	1	Y	
Upper Division US History Elective	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	16		

Minimum

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ BLE 407: SEI for Secondary Students	3	C	• All degree requirements must be completed prior to student teaching. Only one course will be approved to take concurrently with student teaching.
★ HST 481: Methods of Teaching History: Community Resources	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 496: Clinical Experience III	1	Y	
Upper Division European Elective	3	C	
Elective	3		
Term hours subtotal:	16		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching in the Secondary School	12	Y	
Term hours subtotal:	12		

US History
HST 313: American Cultural History to 1865 (SB & H)
HST 314: American Cultural History Since 1865 ((HU or SB) & H)
HST 320: U.S. Urban History since 1850 (SB & H)
HST 322: Constitutional History of the United States Since 1865 (SB & H)
HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)
HST 334: African American History Since 1865 ((HU or SB) & C & H)
HST 337: American Indian History to 1900 ((HU or SB) & C & H)
HST 338: American Indian History since 1900 ((HU or SB) & C & H)
HST 340: American Military History (SB & H)
HST 341: U.S. West 19th Century (SB & H)
HST 400: Topics in American Historical Periods
HST 406: American Revolution/1763-1789 (SB & H)
HST 408: Civil War and Reconstruction ((L or SB) & H)
HST 413: Contemporary America ((L or SB) & H)
HST 415: Unequal Sisters: Women and Political and Cultural Change ((L or SB) & H & C)
HST 419: 20th Century Chicano/a History

Latin American History

HST 305: Studies in Latin American History (SB & H)

HST 375: Colonial Latin America (SB & H)

HST 376: Modern Latin America (SB & H)

HST 404: Conquest (L & G)

HST 418: The Hispanic Southwest (SB)

HST 447: Modern Mexico (SB & H)

European History

HST 346: Ancient Greece II: Late Classical and Hellenistic Period

HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H)

HST 348: Rome (SB & H)

HST 350: Later Middle Ages ((HU or SB) & H)

HST 352: Europe's Reformations ((L or HU or SB) & H)

HST 355: Total War and the Crisis of Modernity (SB & G & H)

HST 360: The Crusades: Religion & Conflict in the Middle Ages (SB & H)

HST 362: Sex and Society in Classical and Medieval Europe (SB & H)

HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H)

HST 402: Topics in European Regional and National History

HST 454: History of Genocide (G & H)

HST 464: Women in Europe to 1750 (H)

HST 465: Women in Europe, 1750 to Present ((L or HU or SB) & H)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

Total College Residency Hrs: 12 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Interdisciplinary Arts and Performance, BA

New College of Interdisciplinary Arts and Sciences
West campus
ASIAPBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 IAP 101: Art, Artist, and Culture (HU) OR IAP 102: Foundations I: Performance Techniques and Composition OR  IAP 103: Foundations I: Interdisciplinary Digital Media OR IAP 104: Foundations I: Fundamentals of Sound Art OR IAP 105: Foundations I: Fundamentals of Visual Art (CS & L)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IAS 191: New College Freshman Seminar	2	C	
MAT 142: College Mathematics (MA)	3	C	
Historical Awareness (H)	3		
Elective	2		
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
IAP 101: Art, Artist, and Culture (HU) OR IAP 102: Foundations I: Performance Techniques and Composition OR  IAP 103: Foundations I: Interdisciplinary Digital Media OR IAP 104: Foundations I: Fundamentals of Sound Art OR IAP 105: Foundations I: Fundamentals of Visual Art (CS & L)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Literacy and Critical Inquiry (L)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
IAP 101: Art, Artist, and Culture (HU) OR IAP 102: Foundations I: Performance Techniques and Composition OR  IAP 103: Foundations I: Interdisciplinary Digital Media OR IAP 104: Foundations I: Fundamentals of Sound Art OR IAP 105: Foundations I: Fundamentals of Visual Art (CS & L)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	6		
Social-Behavioral Sciences (SB)	3		

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 16

Term 4	49 - 63 Credit Hours	Critical course signified by ❗	Hours	Minimum Grade	Notes
		IAP 101: Art, Artist, and Culture (HU) OR ❗ IAP 102: Foundations I: Performance Techniques and Composition OR ❗ IAP 103: Foundations I: Interdisciplinary Digital Media OR IAP 104: Foundations I: Fundamentals of Sound Art OR IAP 105: Foundations I: Fundamentals of Visual Art (CS & L)	3	C	
		❗ IAP 201: Introduction to Interdisciplinary Arts (HU) OR IAP 202: Perspectives on Interdisciplinary Arts and Performance	3	C	
		Humanities, Arts and Design (HU)	3		
		Cultural Diversity in the U.S. (C)	3		
		Global Awareness (G)	3		
		Term hours subtotal:	15		

Term 5	64 - 78 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
		★ IAP 304: Traditions of the Avant-Garde and Experimental Art (L or HU) OR IAP 305: 20th and 21st Century Art, Performance, and Media (L or HU)	3	C	
		★ IAP 334: Conceptual Development in the Arts	3	C	
		IAP 4** Elective	3	C	
		IAP Upper Division Elective	3	C	
		Humanities, Arts and Design (HU)	3		
		Term hours subtotal:	15		

Term 6	79 - 93 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
		★ IAP 325: Sound Performance: Exploring Alternative Performance Groups	3	C	
		★ IAP 361: Digital Editing and Media Literacy (CS)	3	C	
		IAP 4** Elective	3	C	
		Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
		Elective	3		
		Term hours subtotal:	15		

Term 7	94 - 108 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
		★ IAP 354: Visual Representation	3	C	
		★ IAP 375: Contemporary Performance: Theories and Practice	3	C	
		IAP Upper Division Elective	3	C	
		Upper Division Language and Cultures: Requirement satisfied through the following:			

* Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Upper Division Social-Behavioral Sciences (SB) OR
Upper Division Humanities, Arts and Design (HU)

3 C

3

Term hours subtotal: 15

Term 8 109 - 120 Credit Hours **Necessary course signified by**  **Hours** **Minimum Grade** **Notes**

 IAP 480: Senior Project

3 C

IAP Upper Division Elective

3 C

Complete 2 courses:
Elective

6

Term hours subtotal: 12

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

Total College Residency Hrs: 12
minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Interdisciplinary Arts and Sciences, BA

New College of Interdisciplinary Arts and Sciences

West campus
ASIASBA

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	ENG 101: First-Year Composition OR ENG 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107: First-Year Composition OR ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or college specific equivalent First Year Seminar required of all freshman students
	IAS 191: New College Freshman Seminar	2	C	
	MAT 142: College Mathematics (MA)	3	C	
	Computer/Statistics/Quantitative Applications (CS)	3		
	Humanities, Arts and Design (HU)	3		
	Elective	2		
	Term hours subtotal:	16		
Term 2 17 - 32 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	ENG 101: First-Year Composition OR ENG 102: First-Year Composition or ENG 105: Advanced First-Year Composition or ENG 107: First-Year Composition OR ENG 108: First-Year Composition	3	C	
	Historical Awareness (H)	3		
	Natural Science - Quantitative (SQ)	4		
	Social-Behavioral Sciences (SB)	3		
	Elective	3		
	Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
	Term hours subtotal:	16		
Term 3 33 - 47 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	Literacy and Critical Inquiry (L)	3		
	Cultural Diversity in the U.S. (C)	3		
	Social-Behavioral Sciences (SB)	3		
	Complete 2 courses: Elective	6		
	Complete Mathematics (MA) requirement.			
	Term hours subtotal:	15		
Term 4 48 - 63 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes

 Humanities, Arts and Design (HU)	3
Global Awareness (G)	3
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4
Complete 2 courses: Elective	6
Term hours subtotal:	16

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 IAS 300: Adult Career Development (L or SB)	3	C	The Area of Concentration Courses are chosen in consultation with an advisor.
 Upper Division Ethical Reflection Course	3	C	
 Upper Division Area of Concentration Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Diverse Identities Course	3	C	The Area of Concentration Courses are chosen in consultation with an advisor.
 Upper Division Area of Concentration Course	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Secular and Sacred Worldviews Course	3	C	The Area of Concentration Courses are chosen in consultation with an advisor.
 Upper Division Scientific and Mathematical Perspectives Course	3	C	
 Complete 2 courses: Area of Concentration Course	6	C	
 AMS OR ENG OR ETH OR HRC OR HST OR IAP OR IAS OR LAS OR PHI OR REL OR SPA OR WST Upper Division Elective	3	C	
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ HON 493: Honors Thesis (L) OR HRC 480: Capstone: Practices and Approaches OR IAS 484: Internship OR IAS 493: Honors Thesis (L)	3	C
★ Complete 2 courses: Upper Division Area of Concentration Course	6	C
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Term hours subtotal:	12	

- The Area of Concentration Courses are chosen in consultation with an advisor.

Ethical Reflection Course List

IAS 406: Moral Dilemmas (L or HU)

IAS 408: Feminist Ethics (HU)

IAS 409: Eco-Community Ethics (HU)

PHI 304: Existentialism (HU)

PHI 306: Applied Ethics (HU)

PHI 324: Existential Ethics (HU)

PHI 360: Business and Professional Ethics (HU)

PHI 406: Moral Dilemmas (L or HU)

PHI 408: Feminist Ethics (HU)

PHI 409: Eco-Community Ethics (HU)

Diverse Identities Course List

AMS 330: Documenting American Lives (HU & C)

ENG 317: Cross-Cultural Writing ((L or HU) & G)

ENG 420: Multicultural Autobiographies ((L or HU) & C)

ENG 477: World Literature ((L or HU) & G)

ETH 300: Principles of Ethnic Studies (C)

IAS 305: Work and Identity (SB)

IAS 420: Multicultural Autobiographies ((L or HU) & C)

IAS 477: World Literature ((L or HU) & G)

WST 333: Critical Perspectives on Sexuality (SB & C)

WST 376: Feminist Theory (H & C)

WST 380: Race, Gender, and Class (SB & C)

WST 430: Gender on the Borderlands (SB & G)

WST 467: Ethnic Women Writers (HU & C)

WST 473: Latina/Chicana Representation (SB & C)

WST 483: Women Writers Across
Cultures (HU & G)

Scientific and Mathematical Perspectives
Course List

BIO 301: Field Natural History (SG)

IAS 340: Bioethics (HU)

IAS 407: Environmental Philosophy and
Policy (L or HU)

IAS 410: Evolution of Ideas (L or HU)

IAS 411: History and Philosophy of
Mathematics (HU & H)

IAS 415: Life in the Universe

IAS 416: Black Holes and Beyond

LSC 362: The Human Environment

MAT 411: History and Philosophy of
Mathematics (HU & H)

PHI 319: Philosophy of Computing (CS)

PHI 320: Bioethics (HU)

PHI 407: Environmental Philosophy and
Policy (L or HU)

SBS 304: Social Statistics I (CS)

Secular and Sacred Worldviews Course
List

IAS 430: Science and Religion (L or HU)

PHI 318: Philosophy of Religion (HU)

PHI 391: Historical Perspectives on
Philosophy and Religion

REL 300: The Future of Religions (L or
HU)

REL 310: Western Religious Traditions
(HU & H)

REL 320: American Religious Traditions
(HU & C & H)

REL 321: Religion in America ((L or HU)
& C & H)

REL 345: Asian Religious Traditions (HU
& G)

REL 381: Religion and Moral Issues (L or
HU)

REL 390: Women and Religion (HU & G)

REL 391: Historical Perspectives on
Philosophy and Religion

REL 401: Sacred Scriptures and Social
Choices (HU & G)

REL 420: Religion in American Life and
Thought (HU)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)

Total hrs at ASU: 30 minimum
**Hrs Resident Credit for
Academic Recognition:** 56 minimum
Total Community College Hrs: 64
maximum
Total College Residency Hrs: 12
minimum

- Mathematical Studies (MA)
- Computer/Statistics/Quantitative
Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

- Historical Awareness (H)
- First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Life Sciences, BA

New College of Interdisciplinary Arts and Sciences

West campus
ASLSCBA

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)	4	C	- An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses - ASU Math Placement Exam score determines placement in Mathematics course - ASU 101 or College specific equivalent First Year Seminar required of all freshman students
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IAS 191: New College Freshman Seminar	2		
MAT 170: Precalculus (MA)	3	C	
Term hours subtotal:	16		

Term 2 17 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)	4	C	
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 101: Introduction to Physics (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ & G) AND GLG 103: Introduction to Geology I-Laboratory (SQ) or PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) OR PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	The only students who need the two semester sequence of organic chemistry courses (CHM 233, CHM 237, CHM 234 and CHM 238) are those who plan to apply to a graduate school in a health profession. All that is required for the degree is the one semester CHM 231 and CHM 235.
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I or CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II OR CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)	4	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Complete BIO 181, BIO 182 course(s).			

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4	45 - 61 Credit Hours	Critical course signified by ❗	Hours	Minimum Grade	Notes
PHY 101: Introduction to Physics (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ & G) AND GLG 103: Introduction to Geology I-Laboratory (SQ) or ❗ PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ) OR PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)			4	C	• The only students who need the two semester sequence of organic chemistry courses (CHM 233, CHM 237, CHM 234 and CHM 238) are those who plan to apply to a graduate school in a health profession. All that is required for the degree is the one semester CHM 231 and CHM 235. • Students who took CHM 231 and CHM 235 in term 3 should take a 3 credit elective in term 4 and a 3 credit elective (rather than 2 credits) in term 5.
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I or CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II OR CHM 231: Elementary Organic Chemistry (SQ) AND CHM 235: Elementary Organic Chemistry Laboratory (SQ)			4	C	
STP 226: Elements of Statistics (CS) OR Computer/Statistics/Quantitative Applications (CS)			3		
Humanities, Arts and Design (HU)			3		
Social-Behavioral Sciences (SB)			3		
❗ Complete CHM 113, CHM 116 course(s).					
Term hours subtotal:			17		

Term 5	62 - 75 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LSC 347: Fundamentals of Genetics			3	C	
Upper Division Distribution Course			3	C	
Upper Division Literacy and Critical Inquiry (L)			3		
Cultural Diversity in the U.S. (C)			3		
Elective			2		
Term hours subtotal:			14		

Term 6	76 - 90 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 353: Cell Biology			3	C	
BIO 320: Fundamentals of Ecology			3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.			3	C	
Upper Division Elective			3		
Elective			3		
Term hours subtotal:			15		

Term 7	91 - 105 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
Complete 2 courses:					

★ Upper Division Distribution Course	6	C
Global Awareness (G)	3	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3	
Upper Division Elective	3	
Term hours subtotal:	15	

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Distribution Course	6	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Historical Awareness (H)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Distribution Course List

BCH 371: Modern Concepts in Biochemistry AND BCH 372: Modern Concepts in Biochemistry Laboratory

BIO 331: Animal Behavior

BIO 345: Organic Evolution

BIO 360: Animal Physiology AND LSC 359: Animal Physiology Laboratory

BIO 370: Vertebrate Zoology

BIO 385: Comparative Invertebrate Zoology

BIO 393: Careers in Natural and Health Sciences

BIO 443: Applied Molecular Genetics and Genomics

BIO 474: Herpetology

LSC 363: Genes, Race, Gender, and Society (L)

MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory

PLB 300: Plant Diversity and Evolution (L or SG)

PLB 310: The Flora of Arizona

LSC OR BIO OR PLB OR MIC Upper Division Elective

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Life Sciences, BS**

New College of Interdisciplinary Arts and Sciences

Lake Havasu City, West campus
ASLSCBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • The faculty will accept MAT 270 AND MAT 271 in place of MAT 210, but that will require more than 120 hours for the student to complete the degree. STP 226 is still required if the student chooses the MAT 270 AND MAT 271 option. If the student takes the second option, please take MAT 271 in place of STP 226 in term 2 and then take the STP 226 in place of the elective in term 5.
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IAS 191: New College Freshman Seminar	2	C	
MAT 210: Brief Calculus (MA) OR STP 226: Elements of Statistics (CS)	3	C	
Term hours subtotal:	16		
Term 2 17 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)	4	C	• The faculty will accept MAT 270 AND MAT 271 in place of MAT 210, but that will require more than 120 hours for the student to complete the degree. STP 226 is still required if the student chooses the MAT 270 AND MAT 271 option. If the student takes the second option, please take MAT 271 in place of STP 226 in term 2 and then take the STP 226 in place of the elective in term 5.
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 210: Brief Calculus (MA) OR STP 226: Elements of Statistics (CS)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Complete BIO 181, BIO 182 course(s).			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 45 - 58 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	
CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
Social-Behavioral Sciences (SB)	3		
Humanities, Arts and Design (HU)	3		
 Complete CHM 113, CHM 116 course(s).			
Term hours subtotal:	14		

Term 5 59 - 73 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory	4	C	
LSC OR BIO OR PLB OR MIC Upper Division Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Elective	2		
Term hours subtotal:	15		

Term 6 74 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory OR BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory	4	C	
Upper Division Distribution Course	4	C	
LSC OR BIO OR PLB OR MIC Upper Division Elective	3	C	
Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Historical Awareness (H)	3		
Term hours subtotal:	17		

Term 7 91 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Distribution Course	4	C	
ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) OR Upper Division Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	16		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory OR BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory	4	C	
Upper Division Distribution Course	4	C	
Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective	3		
Term hours subtotal:	14		

- Students must select a minimum of one lecture or lecture/lab combined course from each of the 3 Tracks; Cellular, Organismal and Integrative Systems Ecology.

Cellular, Molecular and Physiological Biology Distribution Course List

BCH 371: Modern Concepts in
Biochemistry AND BCH 372: Modern
Concepts in Biochemistry Laboratory

BIO 443: Applied Molecular Genetics and
Genomics

PLB 308: Plant Physiology

BIO 360: Animal Physiology AND LSC
359: Animal Physiology Laboratory

Organismal Biology Distribution Course List

BIO 331: Animal Behavior

BIO 370: Vertebrate Zoology

BIO 385: Comparative Invertebrate
Zoology

MIC 443: The Microbial Universe AND
MIC 444: The Microbial Universe
Laboratory

PLB 310: The Flora of Arizona

Integrative Systems Ecology Distribution
Course List

BIO 345: Organic Evolution

BIO 474: Herpetology

LSC 362: The Human Environment

PLB 300: Plant Diversity and Evolution
(L or SG)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

Total College Residency Hrs: 12
minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Life Sciences (Environmental Science), BS

New College of Interdisciplinary Arts and Sciences

Lake Havasu City, West campus

ASLSCEBS

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)		4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • The faculty will accept MAT 270 AND MAT 271 in place of MAT 210, but that will require more than 120 hours for the student to complete the degree. STP 226 is still required if the student chooses the MAT 270 AND MAT 271 option. If the student takes the second option, please take MAT 271 in place of STP 226 in term 2 and then take the STP 226 in place of the elective in term 7.
CHM 113: General Chemistry I (SQ)		4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
IAS 191: New College Freshman Seminar		2	C	
MAT 210: Brief Calculus (MA) or STP 226: Elements of Statistics (CS)		3	C	
Term hours subtotal:		16		
Term 2 17 - 30 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ) OR BIO 182: General Biology II (SG)		4	C	• The faculty will accept MAT 270 AND MAT 271 in place of MAT 210, but that will require more than 120 hours for the student to complete the degree. STP 226 is still required if the student chooses the MAT 270 AND MAT 271 option. If the student takes the second option, please take MAT 271 in place of STP 226 in term 2 and then take the STP 226 in place of the elective in term 7.
CHM 116: General Chemistry II (SQ)		4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
MAT 210: Brief Calculus (MA) or STP 226: Elements of Statistics (CS)		3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		14		

Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
BIO 130: Introduction to Environmental Science (SQ)	4	C	
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I OR CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
Social-Behavioral Sciences (SB)	3		
Complete BIO 181, BIO 182 course(s).			
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 46 - 59 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	
CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I OR CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Complete CHM 113, CHM 116 course(s).			
Term hours subtotal:	14		

Term 5 60 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory	4	C	
Complete 2 courses: Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	6	C	
LSC Upper Division Elective	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	16		

Term 6 76 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory OR BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory	4	C	
 CHM 302: Environmental Chemistry	3	C	
PHI 407: Environmental Philosophy and Policy (L or HU)	3	C	
Upper Division Distribution Course	3	C	

Literacy and Critical Inquiry (L)	3
Term hours subtotal:	16

Term 7 92 - 106 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LSC 362: The Human Environment OR LSC 394: Environmental Disasters	3	C	
Upper Division Distribution Course	3	C	
LSC Upper Division Elective	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory OR BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory	4	C	
Upper Division Distribution Course	4	C	
PHI 409: Eco-Community Ethics (HU)	3	C	
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	14		

- Students must select a minimum of one lecture or lecture/lab combined course from each of the 3 Tracks; Cellular, Organismal and Integrative Systems Ecology.

Cellular, Molecular and Physiological Biology Distribution Course List

BCH 361: Advanced Principles of
Biochemistry

BCH 367: Elementary Biochemistry
Laboratory

BIO 360: Animal Physiology

LSC 432: Fundamentals of Pharmacology

BIO 443: Applied Molecular Genetics and
Genomics AND LSC 359: Animal
Physiology Laboratory

LSC 394: Modern Concepts in
Biochemistry AND LSC 394: Modern
Concepts in Biochemistry Laboratory

PLB 308: Plant Physiology

Integrative Systems Ecology Distribution Course List

BIO 345: Organic Evolution

BIO 474: Herpetology

LSC 362: The Human Environment

PLB 300: Plant Diversity and Evolution
(L or SG)

Organismal Biology Distribution Course
List

BIO 331: Animal Behavior

BIO 370: Vertebrate Zoology

BIO 385: Comparative Invertebrate
Zoology

MIC 443: The Microbial Universe AND
MIC 444: The Microbial Universe
Laboratory

PLB 310: The Flora of Arizona

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

Total College Residency Hrs: 12
minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Life Sciences (Forensics), BS**

New College of Interdisciplinary Arts and Sciences

West campus
ASLSCFBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
CHM 113: General Chemistry I (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IAS 191: New College Freshman Seminar	2	C	
MAT 210: Brief Calculus (MA)	3	C	
Term hours subtotal:	16		
Term 2 17 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG)	4	C	
CHM 116: General Chemistry II (SQ)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY 101: Introduction to Psychology (SB)	3	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHY 111: General Physics (SQ)	3	C	
 PHY 113: General Physics Laboratory (SQ)	1	C	
CHM 233: General Organic Chemistry I	3	C	
CHM 237: General Organic Chemistry Laboratory I	1	C	
CRJ 100: Introduction to Criminal Justice (SB)	3	C	
STP 226: Elements of Statistics (CS)	3	C	
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		
Term 4 45 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

📌 PHY 112: General Physics (SQ)	3	C
📌 PHY 114: General Physics Laboratory (SQ)	1	C
CHM 234: General Organic Chemistry II	3	C
CHM 238: General Organic Chemistry Laboratory II	1	C
CRJ 230: Introduction to Policing	3	C
Humanities, Arts and Design (HU) AND Cultural Diversity in the U.S. (C)	3	
Humanities, Arts and Design (HU) AND Global Awareness (G) AND Historical Awareness (H)	3	
Term hours subtotal:	17	

Term 5 62 - 77 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory	4	C	
BIO 393: Careers in Natural and Health Sciences	1	Y	
FOR 375: Analytical Chemistry for Life Sciences AND FOR 376: Analytical Chemistry for Life Sciences Lab	5	C	
COM 225: Public Speaking (L) OR COM 222: Argumentation (L)	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	16		

Term 6 78 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory	4	C	
BIO 305: Biology Behind the Crime Scene (SG)	4	C	
ENG 301: Writing for the Professions (L) OR ENG 311: Persuasive Writing (L) OR PHI 406: Moral Dilemmas (L or HU)	3	C	
Language and Cultures: Requirement satisfied through the following: * Completion of secondary education at a school in which the language of instruction is not English; * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * Completion of upper division course(s) taught in a foreign language,taken in the United States or the relevant country; * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used; * Completion of two sequential semesters of coursework in a current computer language.	3	C	
Term hours subtotal:	14		

Term 7 92 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BCH 371: Modern Concepts in Biochemistry	3	C	
★ BCH 372: Modern Concepts in Biochemistry Laboratory	1	C	
★ MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory	4	C	

FOR Upper Division Elective

3

C

Language and Cultures: Requirement satisfied through the following:
 * Completion of secondary education at a school in which the language of instruction is not English;
 * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;
 * Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country;
 * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used;
 * Completion of two sequential semesters of coursework in a current computer language.

3

C

Term hours subtotal: 14

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PLB 300: Plant Diversity and Evolution (L or SG)	4	C	
★ FOR 475: Toxicology	3	C	
BIO 320: Fundamentals of Ecology AND LSC 322: Fundamentals of Ecology Laboratory	4	C	
FOR Upper Division Elective	4	C	
Term hours subtotal:		15	

FOR Upper Division Electives

FOR 350: Computer Forensics

FOR 394: Comparative Forensics

FOR 394: Forensic Biology

FOR 394: Special Topics

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

Total College Residency Hrs: 12 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Philosophy, Religion and Society, BA

New College of Interdisciplinary Arts and Sciences

West campus
ASRELBA

Term 1 0 - 17 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
IAS 191: New College Freshman Seminar	2	C	
MAT 142: College Mathematics (MA)	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	17		
Term 2 18 - 33 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 PHI 101: Introduction to Philosophy (HU) OR REL 100: Religions of the World (HU & G)	3	C	
Natural Science - Quantitative (SQ)	4		
Complete 2 courses: Elective	6		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 34 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PHI 101: Introduction to Philosophy (HU) OR REL 100: Religions of the World (HU & G)	3	C	
Cultural Diversity in the U.S. (C)	3		
Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

 Literacy and Critical Inquiry (L)	3	
REL OR PHI Elective	3	C
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
Social-Behavioral Sciences (SB)	3	
Elective	2	
Term hours subtotal:	15	

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PHI 318: Philosophy of Religion (HU)	3	C	
 REL 310: Western Religious Traditions (HU & H)	3	C	
Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Upper Division Applied Ethics Course	3	C	
 REL OR PHI Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 REL 345: Asian Religious Traditions (HU & G)	3	C	
 Upper Division Applied Ethics Course	3	C	
 Upper Division Religious Studies Course	3	C	
 REL OR PHI Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ IAS 480: Capstone: Practices and Approaches OR IAS 484: Internship	3	C
★ Upper Division Applied Ethics Course	3	C
★ <i>Complete 2 courses:</i> Upper Division Religious Studies Course	6	C
Term hours subtotal:		12

Religious Studies

IAS 401: Sacred Scriptures and Social Choices (HU & G)

IAS 430: Science and Religion (L or HU)

PHI 391: Historical Perspectives on Philosophy and Religion

REL 300: The Future of Religions (L or HU)

REL 321: Religion in America ((L or HU) & C & H)

REL 381: Religion and Moral Issues (L or HU)

REL 390: Women and Religion (HU & G)

REL 391: Historical Perspectives on Philosophy and Religion

REL 401: Sacred Scriptures and Social Choices (HU & G)

REL 420: Religion in American Life and Thought (HU)

Applied Ethics

IAS 324: Existential Ethics (HU)

IAS 340: Bioethics (HU)

IAS 406: Moral Dilemmas (L or HU)

IAS 407: Environmental Philosophy and Policy (L or HU)

IAS 408: Feminist Ethics (HU)

IAS 409: Eco-Community Ethics (HU)

PHI 304: Existentialism (HU)

PHI 306: Applied Ethics (HU)

PHI 324: Existential Ethics (HU)

PHI 340: Bioethics (HU)

PHI 406: Moral Dilemmas (L or HU)

PHI 407: Environmental Philosophy and Policy (L or HU)

PHI 408: Feminist Ethics (HU)

PHI 409: Eco-Community Ethics (HU)

Total Hours: 120
Upper Division Hours: 45 minimum

General University Requirements Legend

General Studies Awareness Requirements:

Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum
Total College Residency Hrs: 12 minimum

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Political Science, BA

New College of Interdisciplinary Arts and Sciences
Lake Havasu City, West campus
ASPOLBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • Credit is only granted for POS 110 or POS 310
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IAS 191: New College Freshman Seminar	2	C	
MAT 142: College Mathematics (MA)	3	C	
Historical Awareness (H)	3		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Related Area Course	3	C	
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 47 - 61 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB)	3	C	• Credit is only granted for POS 110 or POS 310
Complete 2 courses: Related Area Course	6	C	
Literacy and Critical Inquiry (L)	3		
Maintain 2.00 GPA in Critical Tracking Courses.			
Elective	3		
Term hours subtotal:	15		

Term 5 62 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SBS 303: Quantitative Methods OR POS 301: Empirical Political Inquiry (SB)	3	C	
POS Upper Division Elective	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS Upper Division Elective	6	C	
Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 92 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
POS Upper Division Elective	6	C	
★ Upper Division Elective	3		
Related Area Course	3	C	
Elective	2		
Term hours subtotal:	14		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ POS Elective	3	C	
Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to			

the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

Upper Division Humanities, Arts and Design (HU) OR
Upper Division Social-Behavioral Sciences (SB) 3 C

Complete 2 courses:
Upper Division Elective 6

Term hours subtotal: 15

Related Area Courses

ASB Elective

COM Elective

CRJ Elective

ECN Elective

GCU Elective

HST Elective

POS Elective

PSY Elective

SBS Elective

SOC Elective

WST Elective

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

Total College Residency Hrs: 12 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Political Science, BS

New College of Interdisciplinary Arts and Sciences
West campus
ASPOLBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • Credit is only granted for POS 110 or POS 310
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IAS 191: New College Freshman Seminar	2	C	
MAT 142: College Mathematics (MA)	3	C	
Related Area Courses	3	C	
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Complete 2 courses: Related Area Courses	6	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 47 - 61 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB) OR POS 150: Comparative Government (SB & G) or POS 160: Global Politics (SB & G) OR POS 210: Political Ideologies (SB)		3	C	
Literacy and Critical Inquiry (L)		3		
POS Elective		3	C	
Related Area Courses		3	C	
Elective		3		
Maintain 2.00 GPA in Critical Tracking Courses.				
Term hours subtotal:		15		
Term 5 62 - 76 Credit Hours Necessary course signified by 		Hours	Minimum Grade	Notes
 SBS 303: Quantitative Methods OR POS 301: Empirical Political Inquiry (SB)		3	C	
Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.		3	C	
POS Upper Division Elective		3	C	
Upper Division Elective		3		
Elective		3		
Term hours subtotal:		15		
Term 6 77 - 91 Credit Hours Necessary course signified by 		Hours	Minimum Grade	Notes
 SBS 304: Social Statistics I (CS) OR POS 401: Political Statistics (CS)		3	C	
Complete 2 courses: Upper Division Elective		6		
Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.		3	C	
Upper Division Literacy and Critical Inquiry (L)		3		
Term hours subtotal:		15		
Term 7 92 - 105 Credit Hours Necessary course signified by 		Hours	Minimum Grade	Notes
 SBS 302: Qualitative Methods		3	C	
Complete 2 courses: POS Upper Division Elective		6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)		3		
Elective		2		

Term hours subtotal: 14

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	Complete 2 courses: POS Upper Division Elective		6	C	
	Complete 2 courses: Upper Division Elective		6		
	Elective		3		
Term hours subtotal:			15		

Related Area Course Options

ASB OR COM OR CRJ OR ECN OR
GCU OR HST OR POS OR PSY OR SBS
OR SOC OR WST Elective

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

Total College Residency Hrs: 12
minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Psychology, BA

New College of Interdisciplinary Arts and Sciences
ASPGSBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 MAT 119: Finite Mathematics (MA)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IAS 191: New College Freshman Seminar	2	C	
Elective	3		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
EDT 180: Problem Solving using Digital Technology Applications (CS) OR CSE 180: Computer Literacy (CS)	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	
Social-Behavioral Sciences (SB)	3		
Maintain 2.00 GPA in Critical Tracking Courses.			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 47 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 290: Research Methods (L or SG)	4	C	• Related Coursework electives: ASB, SOC, SBS, PSY and other courses approved by academic advisor
Humanities, Arts and Design (HU)	3		
Complete 2 courses: Related Area Course	6	C	
Elective	1		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Abnormal Psychology (SB) OR PSY 443: Abnormal Child Psychology (L or SB) OR PSY 462: Health Psychology	3	C	• Related Coursework electives: ASB, SOC, SBS, PSY and other courses approved by academic advisor
PSY 320: Learning and Motivation OR PSY 323: Sensation and Perception OR PSY 324: Memory and Cognition OR PSY 325: Physiological Psychology	3	C	
Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3		
Upper Division Psychology Cluster Course	3	C	
Related Area Course	3	C	
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PSY 320: Learning and Motivation OR PSY 323: Sensation and Perception OR PSY 324: Memory and Cognition OR PSY 325: Physiological Psychology OR PSY 330: Statistical Methods (CS) OR PSY 369: Biology of Human Sexuality OR PSY 470: Psychopharmacology	3	C	
PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Abnormal Psychology (SB) OR PSY 443: Abnormal Child Psychology (L or SB) OR PSY 462: Health Psychology	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

Language and Cultures: Requirement satisfied through the following:
 * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.

3

- Related Coursework electives: ASB, SOC, SBS, PSY and other courses approved by academic advisor

★ Complete 2 courses: Upper Division Psychology Cluster Course	6	C
Related Area Course	3	C
Upper Division Elective	3	
Term hours subtotal:	15	

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: Upper Division Psychology Cluster Course	6	C	
Global Awareness (G)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

- Students may choose from any of the psychology clusters to complete their 15 hour requirement.

Biological/Learning Cluster Course List

PSY 320: Learning and Motivation

PSY 323: Sensation and Perception

PSY 324: Memory and Cognition

PSY 325: Physiological Psychology

PSY 369: Biology of Human Sexuality

PSY 425: Biological Bases of Behavior (L)

PSY 470: Psychopharmacology

Related Course Work Electives

ASB OR SOC OR POS OR SBS OR PSY Elective

Methodology and Critical Thinking Cluster Course List

PSY 304: Effective Thinking (L)

PSY 330: Statistical Methods (CS)

Social Influence Cluster Course List

PSY 306: Environmental Psychology (SB)

PSY 350: Social Psychology (SB)

PSY 370: Interpersonal Relationships (SB)

PSY 385: Psychology of Gender

PSY 473: Psychology and Politics of Child Maltreatment

PSY 480: Cross-Cultural Social
Psychology (SB & G)

Clinical/Health Cluster Course List

PSY 430: Industrial Psychology

PSY 453: Organizational Behavior (SB)

PSY 468: Psychology and Law

PSY 482: Social Influence and Consumer
Behavior (SB)

Industrial/Organizational Cluster Course
List

PSY 430: Industrial Psychology

PSY 453: Organizational Behavior (SB)

PSY 468: Psychology and Law

PSY 482: Social Influence and Consumer
Behavior (SB)

Life Span/Development Cluster Course
List

PSY 341: Developmental Psychology
(SB)

PSY 447: Psychology of Aging (SB)

PSY 446: Social Development (L or SB)

Experiential Cluster Course List

PSY 344: Directed Child Study (SB)

PSY 394: Special Topics

PSY 399: Supervised Research

PSY 484: Internship

PSY 494: Special Topics

PSY 499: Individualized Instruction

Notes:

- Related Coursework electives: ASB, SOC, SBS, PSY and other courses approved by academic advisor

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

Total College Residency Hrs: 12
minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Psychology, BA

New College of Interdisciplinary Arts and Sciences

Online
ASPGSBA

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ASU 101: The ASU Experience	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first year composition courses. • ASU Math placement exam score determines placement in mathematics course. • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
Term hours subtotal:	7		

Term 1 - B 8 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 119: Finite Mathematics (MA)	3	C	
Term hours subtotal:	6		

Term 2 - A 14 - 19 Credit Hours	Hours	Minimum Grade	Notes
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	6		

Term 2 - B 20 - 25 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Historical Awareness (H)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		

Term 3 - A 26 - 31 Credit Hours	Hours	Minimum Grade	Notes
Natural Science - Quantitative (SQ)	4	C	• PSY 290 has an (L) designation and may be
Elective	2		

Term hours subtotal: 6

used to meet the lower division Literacy and Critical Inquiry requirement in general studies.

Term 3 - B 32 - 37 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ PSY 230: Introduction to Statistics (CS)	3	C	PSY 230 may not be used to fulfill the CS requirement in the major.
Humanities, Arts and Design (HU)	3		
Complete Mathematics (MA) requirement.			
⚠ Complete First-Year Composition requirement.			
Term hours subtotal:	6		

Term 4 - A 38 - 44 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ PSY 290: Research Methods (L or SG)	4	C	PSY 290 may not be used to fulfill the SG requirement in the major.
Global Awareness (G)	3		
Term hours subtotal:	7		

Term 4 - B 45 - 51 Credit Hours	Hours	Minimum Grade	Notes
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Term hours subtotal:	7		

Term 5 - A 52 - 57 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Complete 2 courses: ★ PSY 341: Developmental Psychology (SB) OR ★ PSY 350: Social Psychology (SB) OR PSY 366: Abnormal Psychology (SB) OR PSY 462: Health Psychology OR PSY 315: Personality Theory and Research (SB)	6	C	Psychology courses listed cannot be used to fulfill multiple requirements within the major.
Term hours subtotal:	6		

Term 5 - B 58 - 63 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Additional Psychology Courses	3	C	Psychology courses listed cannot be used to fulfill multiple requirements within the major.
★ CSE 180: Computer Literacy (CS) OR EDT 180: Problem Solving using Digital Technology Applications (CS)	3	C	
Term hours subtotal:	6		

Term 6 - A 64 - 69 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PSY 323: Sensation and Perception	3	C	Upper division Global (G) or Cultural (C) courses used to fulfill the Language and Cultures requirement may not also be used to fulfill the Global and Cultural
Language and Cultures: Requirement satisfied through the following: * Completion of secondary education at a school in which the language of instruction is not English; * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;			

* Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country;
 * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used;
 * Completion of two sequential semesters of coursework in a current computer language.

Requirements in the Awareness Areas in General Studies.

Term hours subtotal: 6

Term 6 - B 70 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

Language and Cultures: Requirement satisfied through the following:
 * Completion of secondary education at a school in which the language of instruction is not English;
 * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV;
 * Completion of upper division course(s) taught in a foreign language, taken in the United States or the relevant country;
 * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used;
 * Completion of two sequential semesters of coursework in a current computer language.

3 C

★ Upper Division Additional Psychology Courses 3 C

Term hours subtotal: 6

Term 7 - A 76 - 81 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ ASB OR SOC OR POS OR PSY OR SBS Elective

3 C

Elective

3

Term hours subtotal: 6

• Additional subjects may be used to fulfill related area requirements with advisor approval.

Term 7 - B 82 - 87 Credit Hours	Hours	Minimum Grade	Notes

ASB OR SOC OR POS OR PSY OR SBS Elective

3 C

Upper Division Elective

3

Term hours subtotal: 6

Term 8 - A 88 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes

★ PSY 324: Memory and Cognition

3 C

ASB OR SOC OR POS OR PSY OR SBS Elective

3 C

Term hours subtotal: 6

Term 8 - B 94 - 99 Credit Hours	Hours	Minimum Grade	Notes

ASB OR SOC OR POS OR PSY OR SBS Elective

3 C

Upper Division Elective

3

Term hours subtotal: 6

Term 9 - A 100 - 105 Credit Hours	Hours	Minimum Grade	Notes
Upper Division Literacy and Critical Inquiry (L)	3		PSY 304 (L) Effective Thinking can be applied to the Upper Division Literacy and Critical Inquiry requirement and Psychology major.
Upper Division Elective	3		
Term hours subtotal:	6		

Term 9 - B 106 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Additional Psychology Courses	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - A 112 - 117 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Additional Psychology Courses	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - B 118 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Additional Psychology Courses	3	C	
Term hours subtotal:	3		

- The Additional Psychology Courses listed in the track can only apply once in the major and may not be used to fulfill multiple psychology major requirements.

Additional Psychology Courses
PSY 304: Effective Thinking (L)
PSY 315: Personality Theory and Research (SB)
PSY 341: Developmental Psychology (SB)
PSY 350: Social Psychology (SB)
PSY 366: Abnormal Psychology (SB)
PSY 385: Psychology of Gender
PSY 453: Organizational Behavior (SB)
PSY 462: Health Psychology

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum

General University Requirements Legend
 General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum
Total College Residency Hrs: 12
minimum

- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Psychology, BS

New College of Interdisciplinary Arts and Sciences

West campus
ASPGSBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 101: Introduction to Psychology (SB)	3	C	An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses
 MAT 170: Precalculus (MA)	3	C	
EDT 180: Problem Solving using Digital Technology Applications (CS) OR CSE 180: Computer Literacy (CS)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	- ASU Math Placement Exam score determines placement in Mathematics course - ASU 101 or College specific equivalent First Year Seminar required of all freshman students
IAS 191: New College Freshman Seminar	2	C	
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PSY 230: Introduction to Statistics (CS)	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Psychology Cluster Course	3	C	
Complete Mathematics (MA) requirement.			
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 4 47 - 60 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 PSY 290: Research Methods (L or SG)		4	C	Psychology (BS) majors are required to take one Life Science lab course and one Physical Science lab course in addition to PSY 290 and two required science courses for university general studies.
Humanities, Arts and Design (HU)		3		
Physical Science Lab Course - Astronomy - Chemistry, Geology, or Physics		4	C	
Elective		3		
Maintain 2.00 GPA in Critical Tracking Courses.				
Term hours subtotal:		14		
Term 5 61 - 76 Credit Hours Necessary course signified by 		Hours	Minimum Grade	Notes
 PSY 320: Learning and Motivation OR PSY 323: Sensation and Perception OR PSY 324: Memory and Cognition OR PSY 325: Physiological Psychology		3	C	Psychology (BS) majors are required to take one Life Science lab course and one Physical Science lab course in addition to PSY 290 and two required science courses for university general studies.
PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Abnormal Psychology (SB) OR PSY 443: Abnormal Child Psychology (L or SB) OR PSY 462: Health Psychology		3	C	
Life Science Lab Course - Biology, Life Science, Microbiology, Zoology		4	C	
Upper Division Literacy and Critical Inquiry (L)		3		
Upper Division Psychology Cluster Course		3	C	
Term hours subtotal:		16		
Term 6 77 - 91 Credit Hours Necessary course signified by 		Hours	Minimum Grade	Notes
 PSY 320: Learning and Motivation OR PSY 323: Sensation and Perception OR PSY 324: Memory and Cognition OR PSY 325: Physiological Psychology OR PSY 330: Statistical Methods (CS) OR PSY 369: Biology of Human Sexuality OR PSY 470: Psychopharmacology		3	C	
PSY 315: Personality Theory and Research (SB) OR PSY 341: Developmental Psychology (SB) OR PSY 350: Social Psychology (SB) OR PSY 366: Abnormal Psychology (SB) OR PSY 443: Abnormal Child Psychology (L or SB) OR PSY 462: Health Psychology		3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.		3	C	
Upper Division Elective		3		
Elective		3		
Term hours subtotal:		15		
Term 7 92 - 106 Credit Hours Necessary course signified by 		Hours	Minimum Grade	Notes

★ Upper Division Psychology Cluster Course	6	C
Upper Division Elective	6	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.		
	3	C
Term hours subtotal:	15	

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Psychology Cluster Course	3	C	Related area coursework electives: ASB, SOC, SBS, PSY and other courses approved by academic advisor.
Upper Division Related Area Course	3	C	
Related Area Course	3	C	
Global Awareness (G)	3		
Elective	2		
Term hours subtotal:	14		

- Related Coursework electives: ASB, SOC, SBS, PSY and other courses approved by academic advisor.

For the Upper Division Psychology Cluster Course requirement in terms 5-8:

- Students may select courses from any Psychology Cluster Course List
- Students do not have to pick from the same Cluster Course List each term

Clinical/Health Cluster Course List
PSY 430: Industrial Psychology
PSY 453: Organizational Behavior (SB)
PSY 468: Psychology and Law
PSY 482: Social Influence and Consumer Behavior (SB)
Life Science Lab Course Elective
BIO OR MIC OR ZOL Elective
Methodology and Critical Thinking Cluster Course List
PSY 304: Effective Thinking (L)
PSY 330: Statistical Methods (CS)
Physical Science Lab Course Elective
AST OR CHM OR GLG OR PHY Elective
Experiential Cluster Course List
PSY 344: Directed Child Study (SB)
PSY 394: Special Topics

PSY 399: Supervised Research

PSY 484: Internship

PSY 494: Special Topics

PSY 499: Individualized Instruction

Related Course Work Electives

ASB OR SOC OR POS OR SBS OR PSY
Elective

Life Span/Development Cluster Course
List

PSY 341: Developmental Psychology
(SB)

PSY 447: Psychology of Aging (SB)

PSY 446: Social Development (L or SB)

Biological/Learning Cluster Course List

PSY 320: Learning and Motivation

PSY 323: Sensation and Perception

PSY 324: Memory and Cognition

PSY 325: Physiological Psychology

PSY 369: Biology of Human Sexuality

PSY 425: Biological Bases of Behavior
(L)

PSY 470: Psychopharmacology

Industrial/Organizational Cluster Course
List

PSY 430: Industrial Psychology

PSY 453: Organizational Behavior (SB)

PSY 468: Psychology and Law

PSY 482: Social Influence and Consumer
Behavior (SB)

Social Influence Cluster Course List

PSY 250: Psychology and Society (SB)

PSY 306: Environmental Psychology (SB)

PSY 350: Social Psychology (SB)

PSY 370: Interpersonal Relationships
(SB)

PSY 385: Psychology of Gender

PSY 473: Psychology and Politics of
Child Maltreatment

PSY 480: Cross-Cultural Social
Psychology (SB & G)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

Total Community College Hrs: 64
maximum

Total College Residency Hrs: 12
minimum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Social and Behavioral Sciences, BA

New College of Interdisciplinary Arts and Sciences

West campus
ASSBSBA

Term 1 0 - 16 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 COM 100: Introduction to Human Communication (SB) OR PSY 101: Introduction to Psychology (SB) OR POS 110: Government and Politics (SB) OR POS 160: Global Politics (SB & G) OR SOC 101: Introductory Sociology (SB)		3		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • Students that select Individual & Behavior Theme must complete PSY 230 which requires successful completion of MAT 119 or MAT 170 or higher level math course, and MAT 142 is not considered a higher level of math - see Academic Advisor for more information
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
IAS 191: New College Freshman Seminar		2	C	
MAT 117: College Algebra (MA) or MAT 119: Finite Mathematics (MA) or MAT 142: College Mathematics (MA) or MAT 170: Precalculus (MA)		3	C	
Humanities, Arts and Design (HU)		3		
Elective		2		
Term hours subtotal:		16		
Term 2 17 - 32 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	• Choose electives in consultation with an Academic Advisor in order to meet pre-requisites for courses in terms 5-8
Complete 2 courses: Related Electives		6	C	
Historical Awareness (H)		3		
Natural Science - Quantitative (SQ)		4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
Term hours subtotal:		16		
Term 3 33 - 47 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
 SBS 200: Introduction to Social and Behavioral Sciences (SB)		3	C	• PSY 230 requires MAT 119 or higher level of
PSY 230: Introduction to Statistics (CS) OR SBS 304: Social Statistics I (CS)		3	C	

Cultural Diversity in the U.S. (C)	3
Global Awareness (G)	3
Literacy and Critical Inquiry (L)	3
❗ Complete Mathematics (MA) requirement.	
Maintain 2.00 GPA in Critical Tracking Courses.	
Term hours subtotal:	15

math, MAT 142 is not considered a higher level of math

Term 4	48 - 63 Credit Hours	Critical course signified by ❗	Hours	Minimum Grade	Notes
PSY 290: Research Methods (L or SG) OR COM 308: Advanced Research Methods in Communication (L) OR ❗ COM 309: Rhetorical, Interpretive, and Critical Methods in Communication OR SBS 302: Qualitative Methods OR SBS 303: Quantitative Methods			3-4	C	- Please note that PSY 290, COM 308 and SOC 391 meet general studies literacy requirements. Please consult with your academic advisor when making course selections. - Choose electives in consultation with an Academic Advisor in order to meet pre-requisites for courses in terms 5-8 - Thematic coursework may be upper or lower division in this term.
Humanities, Arts and Design (HU)			3		
Thematic Coursework			3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)			4		
Elective			3		
Term hours subtotal:			16-17		

Term 5	64 - 78 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SBS 484: Internship OR SBS 498: Pro-Seminar			3	C	- Choose electives in consultation with an Academic Advisor in order to meet pre-requisites for courses in terms 6-8 - Thematic coursework may be upper or lower division in this term.
SBS 301: Cultural Diversity ((L or SB) & C)			3	C	
★ Thematic Coursework			3	C	
Complete 2 courses: Upper Division Elective			6		
Term hours subtotal:			15		

Term 6	79 - 93 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Thematic Coursework			3	C	Choose electives in consultation with an Academic Advisor in order to meet pre-requisites for courses in terms 7 & 8
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.			3	C	
Upper Division Elective			3		
Complete 2 courses: Elective			6		
Term hours subtotal:			15		

Term 7	94 - 108 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
Complete 2 courses:					

★ Upper Division Thematic Coursework	6	C	Choose electives in consultation with an Academic Advisor in order to meet pre-requisites for courses in term 8
Upper Division Related Electives	3	C	
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Related Electives	3	C	Choose electives in consultation with an Academic Advisor
Complete 2 courses: Upper Division Elective	6		
Elective	3		
Term hours subtotal:	12		

- Choose electives in consultation with an Academic Advisor in order to meet pre-requisites for courses in terms 5-8.
- Thematic course work requirement: Pick 5 courses from a SINGLE theme: Individual and Family, Individual and Community, Individual and Society, Individual and Culture, Individual and Behavior

Related Electives
ASB Elective
COM Elective
POS Elective
PSY Elective
SBS Elective
SOC Elective
Theme: Individual and Society
COM 421: Rhetoric of Social Issues (HU)
POS 210: Political Ideologies (SB)
POS 437: Women, Power, and Politics (G)
PSY 350: Social Psychology (SB)
SBS 447: Citizenship, Nationalism, and Identity (SB & C)
SOC 241: Modern Social Problems (SB)
SOC 352: Social Change (SB & G & H)
SOC 360: Sociological Psychology (SB)
WST 100: Women, Gender, and Society (SB & C)

WST 300: Women and Gender in
Contemporary Society (SB & C)

WST 380: Race, Gender, and Class (SB &
C)

Theme: Individual and Community

ASB 442: Urban Anthropology (SB)

COM 310: Relational Communication

COM 312: Communication, Conflict, and
Negotiation

COM 316: Gender and Communication
(SB & C)

COM 319: Persuasion and Social
Influence (SB)

COM 353: Professional Communication

PSY 370: Interpersonal Relationships
(SB)

PSY 461: Interpersonal Influence (SB)

SOC 324: Work and the Workplace (SB &
H)

Theme: Individual and Family

CDE 232: Human Development (SB)

COM 411: Communication in the Family
(SB)

FAS 301: Introduction to Parenting

FAS 331: Marriage and Family
Relationships (SB)

FAS 431: Parent-Adolescent
Relationships (SB)

FAS 435: Advanced Marriage and Family
Relationships (L or SB)

PSY 341: Developmental Psychology
(SB)

PSY 443: Abnormal Child Psychology (L
or SB)

SOC 315: Courtship and Marriage (SB)

SOC 415: The Family (SB)

Theme: Individual and Culture

ASB 211: Women in Other Cultures ((HU
or SB) & G)

ASB 311: Principles of Social
Anthropology (SB & G & H)

COM 463: Intercultural Communication
Theory and Research (SB & G)

FAS 370: Family Ethnic and Cultural
Diversity (SB & C)

PSY 306: Environmental Psychology (SB)

SBS 342: Mexico-U.S. Borderlands (SB
& C)

SOC 328: Migration (SB & G)

SOC 353: Death and Dying in
Cross-Cultural Perspective ((HU or SB) &
G)

WST 457: Women, Cultures, and
Societies (SB & G)

Theme: Individual and Behavior

PSY 304: Effective Thinking (L)

PSY 320: Learning and Motivation

PSY 323: Sensation and Perception

PSY 324: Memory and Cognition

PSY 325: Physiological Psychology

PSY 366: Abnormal Psychology (SB)

PSY 369: Biology of Human Sexuality

SOC 340: The Sociology of Deviance
(SB)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

Total College Residency Hrs: 12
minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Social and Behavioral Sciences, BS

New College of Interdisciplinary Arts and Sciences

West campus
ASSBSBS

Term 1 0 - 14 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	COM 100: Introduction to Human Communication (SB) OR PSY 101: Introduction to Psychology (SB) OR POS 110: Government and Politics (SB) OR POS 160: Global Politics (SB & G) OR SOC 101: Introductory Sociology (SB)	3		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • Students that select Individual & Behavior Theme must complete PSY 230 which requires successful completion of MAT 119 or MAT 170 or higher level math course, and MAT 142 is not considered a higher level of math - see Academic Advisor for more information
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
	IAS 191: New College Freshman Seminar	2	C	
	MAT 117: College Algebra (MA) or MAT 119: Finite Mathematics (MA) or MAT 142: College Mathematics (MA) or MAT 170: Precalculus (MA)	3	C	
	Humanities, Arts and Design (HU)	3		
	Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	Complete 2 courses: Related Electives	6	C	• Choose electives in consultation with an Academic Advisor in order to meet pre-requisites for courses in terms 5-8.
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
	Historical Awareness (H)	3		
	Natural Science - Quantitative (SQ)	4		
	Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
	Term hours subtotal:	16		
Term 3 31 - 45 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	SBS 200: Introduction to Social and Behavioral Sciences (SB)	3	C	• PSY 230 requires MAT 119 or higher level of
	PSY 230: Introduction to Statistics (CS) OR SBS 304: Social Statistics I (CS)	3	C	

Thematic Coursework	3	C
Global Awareness (G)	3	
Humanities, Arts and Design (HU)	3	
❗ Complete Mathematics (MA) requirement.		
Maintain 2.00 GPA in Critical Tracking Courses.		
Term hours subtotal:	15	

math, MAT 142 is not considered a higher level of math

- Thematic coursework may be upper or lower division in this term.

Term 4 46 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ PSY 290: Research Methods (L or SG) OR COM 308: Advanced Research Methods in Communication (L) OR SBS 303: Quantitative Methods	3-4	C	• Thematic coursework may be upper or lower division in this term.
Thematic Coursework	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Literacy and Critical Inquiry (L)	3		
Elective	2		
Term hours subtotal:	15-16		

Term 5 61 - 75 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ COM 309: Rhetorical, Interpretive, and Critical Methods in Communication OR SBS 302: Qualitative Methods	3	C	
★ SBS 484: Internship OR SBS 498: Pro-Seminar	3	C	
SBS 301: Cultural Diversity ((L or SB) & C)	3	C	
Complete 2 courses: Upper Division Related Electives	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PSY 330: Statistical Methods (CS) OR SBS 404: Social Statistics II: Multivariate Analysis (CS)	3	C	
Upper Division Thematic Coursework	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
Upper Division Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used; * .	6	C	

Upper Division Thematic Coursework	3	C
Elective	3	
Cultural Diversity in the U.S. (C)	3	
Term hours subtotal:	15	

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Upper Division Thematic Coursework	3	C	
★ Upper Division Related Electives	3	C	
Complete 2 courses: Upper Division Elective	6		
Elective	3		
Term hours subtotal:	15		

- Choose electives in consultation with an Academic Advisor in order to meet pre-requisites for courses in terms 5-8.
- Thematic course work requirement: Pick 5 courses from a SINGLE theme, Individual and Family, Individual and Community, Individual and Society, Individual and Culture, Individual and Behavior

Related Electives

ASB OR COM OR POS OR PSY OR
SBS OR SOC Elective

Theme: Individual and Society

COM 421: Rhetoric of Social Issues (HU)

PSY 350: Social Psychology (SB)

POS 210: Political Ideologies (SB)

POS 437: Women, Power, and Politics
(G)

SBS 447: Citizenship, Nationalism, and
Identity (SB & C)

SOC 241: Modern Social Problems (SB)

SOC 352: Social Change (SB & G & H)

SOC 360: Sociological Psychology (SB)

WST 100: Women, Gender, and Society
(SB & C)

WST 300: Women and Gender in
Contemporary Society (SB & C)

WST 380: Race, Gender and Class (SB &
C)

Theme: Individual and Community

ASB 442: Urban Anthropology (SB)

COM 310: Relational Communication

COM 312: Communication, Conflict, and
Negotiation

COM 316: Gender and Communication
(SB & C)

COM 319: Persuasion and Social
Influence (SB)

COM 353: Professional Communication

PSY 370: Interpersonal Relationships
(SB)

PSY 461: Interpersonal Influence (SB)

SOC 324: Work and the Workplace (SB &
H)

Theme: Individual and Family

CDE 232: Human Development (SB)

COM 411: Communication in the Family
(SB)

FAS 301: Introduction to Parenting

FAS 331: Marriage and Family
Relationships (SB)

FAS 431: Parent-Adolescent
Relationships (SB)

FAS 435: Advanced Marriage and Family
Relationships (L or SB)

PSY 341: Developmental Psychology
(SB)

PSY 443: Abnormal Child Psychology (L
or SB)

SOC 315: Courtship and Marriage (SB)

SOC 415: The Family (SB)

Theme: Individual and Culture

ASB 211: Women in Other Cultures ((HU
or SB) & G)

ASB 311: Principles of Social
Anthropology (SB & G & H)

COM 463: Intercultural Communication
Theory and Research (SB & G)

FAS 370: Family Ethnic and Cultural
Diversity (SB & C)

PSY 306: Environmental Psychology (SB)

SBS 342: Mexico-U.S. Borderlands (SB
& C)

SOC 328: Migration (SB & G)

SOC 353: Death and Dying in
Cross-Cultural Perspective ((HU or SB) &
G)

WST 457: Women, Cultures, and
Societies (SB & G)

Theme: Individual and Behavior

PSY 304: Effective Thinking (L)

PSY 320: Learning and Motivation

PSY 323: Sensation and Perception

PSY 324: Memory and Cognition

PSY 325: Physiological Psychology

PSY 366: Abnormal Psychology (SB)

PSY 369: Biology of Human Sexuality

SOC 340: The Sociology of Deviance
(SB)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

Total College Residency Hrs: 12
minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Sociology, BA

New College of Interdisciplinary Arts and Sciences

Lake Havasu City, West campus
ASSOCBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IAS 191: New College Freshman Seminar	2	C	
MAT 142: College Mathematics (MA)	3	C	
Elective	3		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		
Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC Elective	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		
Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Related Area Course	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 47 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SBS 304: Social Statistics I (CS) OR SOC 390: Social Statistics I (CS)	3	C	
Related Area Course	3	C	
Cultural Diversity in the U.S. (C)	3		
Global Awareness (G)	3		
Elective	3		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		
Term 5 62 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SOC Upper Division Elective	3	C	
Related Area Course	3	C	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		
Term 6 77 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SBS 302: Qualitative Methods OR SBS 303: Quantitative Methods OR SOC 391: Research Methods (L or SB)	3	C	
Complete 2 courses: SOC Upper Division Elective	6	C	
Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		
Term 7 92 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SOC 483: History of Social Thought (SB) OR SOC 486: Contemporary Theory (SB)	3	C	
SOC Upper Division Elective	3	C	
Related Area Course	3	C	
Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Elective	2		
Term hours subtotal:	14		
Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ SOC Upper Division Elective	3	C
Related Area Course	3	C
Complete 3 courses: Upper Division Elective	9	
Term hours subtotal:		15

Related Area Courses

ASB Elective

GCU Elective

POS Elective

PSY Elective

SBS Elective

SOC Elective

WST Elective

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

Total College Residency Hrs: 12
minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Sociology, BS

New College of Interdisciplinary Arts and Sciences
West campus
ASSOCBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • Transfer students take SOC 301: Principles of Sociology (SB) instead of SOC 101: Introduction to Sociology
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IAS 191: New College Freshman Seminar	2	C	
MAT 142: College Mathematics (MA)	3	C	
Elective	3		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC Elective	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	16		

Term 3 31 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Related Area Course	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Literacy and Critical Inquiry (L)	3		

Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4
 Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 47 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SBS 304: Social Statistics I (CS) OR SOC 390: Social Statistics I (CS)	3	C	
Related Area Course	3	C	
Cultural Diversity in the U.S. (C)	3		
Global Awareness (G)	3		
Elective	3		
Maintain 2.00 GPA in Critical Tracking Courses.			
Term hours subtotal:	15		

Term 5 62 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SOC Upper Division Elective	3	C	
Related Area Course	3	C	
Complete 2 courses: Upper Division Elective	6		
Elective	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SBS 303: Quantitative Methods OR SOC 391: Research Methods (L or SB)	3	C	
Complete 2 courses: SOC Upper Division Elective	6	C	
Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SBS 302: Qualitative Methods	3	C	
SOC Upper Division Elective	3	C	
Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Complete 2 courses:			

Upper Division Elective

6

Term hours subtotal:

15

Term 8 107 - 120 Credit Hours **Necessary course signified by** ★

Hours

**Minimum
Grade**

Notes

★ SOC 483: History of Social Thought (SB) OR
SOC 486: Contemporary Theory (SB)

3

C

SOC Upper Division Elective

3

C

Related Area Course

3

C

Upper Division Elective

3

Elective

2

Term hours subtotal:

14

Related Area Courses

ASB Elective

GCU Elective

POS Elective

PSY Elective

SBS Elective

SOC Elective

WST Elective

Social-Behavioral Sciences (SB)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

Total College Residency Hrs: 12
minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Spanish, BA

New College of Interdisciplinary Arts and Sciences

West campus
ASSPABA

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SPA 111: Fundamentals of Spanish	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
IAS 191: New College Freshman Seminar	2	C	
MAT 142: College Mathematics (MA)	3	C	
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SPA 201: Intermediate Spanish (G) OR SPA 203: Intermediate Spanish for Bilinguals (G)	4	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Cultural Diversity in the U.S. (C)	3		
Historical Awareness (H)	3		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SPA 202: Intermediate Spanish (G) OR SPA 204: Intermediate Spanish for Bilinguals (G)	4	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		
Term 4 46 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

 SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Spanish Conversation and Composition for Bilinguals	3	C
Humanities, Arts and Design (HU)	3	
Literacy and Critical Inquiry (L)	3	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
Elective	3	
Term hours subtotal:	16	

Term 5 62 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Spanish Conversation and Composition for Bilinguals OR Elective	3	C	
 SPA 325: Introduction to Hispanic Literature (HU)	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
<i>Complete 2 courses:</i> Upper Division Elective	6		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SPA 412: Advanced Conversation and Composition (G)	3	C	
 SPA 425: Spanish Literature (HU)	3	C	
SPA 426: Spanish Literature (HU) OR  SPA 427: Spanish American Literature (L or HU) OR SPA 428: Spanish American Literature (L & G) OR SPA 464: Mexican American Literature ((HU or SB) & C)	3	C	
 SPA 471: Civilization of the Spanish Southwest ((L or HU) & C) OR SPA 472: Spanish American Civilization (HU & H & G) OR SPA 473: Spanish Civilization ((HU or SB) & G)	3	C	
 Related Area Course	3	C	
Term hours subtotal:	15		

Term 7 92 - 106 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SPA 426: Spanish Literature (HU) OR SPA 427: Spanish American Literature (L or HU) OR SPA 428: Spanish American Literature (L & G) OR SPA 464: Mexican American Literature ((HU or SB) & C)	3	C	
 SPA 471: Civilization of the Spanish Southwest ((L or HU) & C) OR SPA 472: Spanish American Civilization (HU & H & G) OR SPA 473: Spanish Civilization ((HU or SB) & G)	3	C	
 <i>Complete 2 courses:</i> SPA 4** Elective	6	C	
 Related Area Course	3	C	
Term hours subtotal:	15		

Term 8 107 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ SPA 426: Spanish Literature (HU) OR SPA 427: Spanish American Literature (L or HU) OR SPA 428: Spanish American Literature (L & G) OR SPA 464: Mexican American Literature ((HU or SB) & C)	3	C
★ <i>Complete 2 courses:</i> SPA 4** Elective	6	C
★ Related Area Course	3	C
Elective	2	
Term hours subtotal:		14

Related Area Courses

AMS 327: Regional Cultures

AMS 417: Religious Traditions of the
American Southwest

AMS 422: Studies in American Literature

AMS 428: Chicano Cultures in the
Southwest (SB)

AMS 429: Interdisciplinary Topics

ENG 334: The American Southwest in
Literature and Film. ((L or HU) & C)

ENG 363: Transborder Mexican and
Chicano/a Literature of Southwest North
America ((L or HU) & C)

ENG 460: Ethnic Women Writers

ETH 100: Introduction to Ethnic Studies
(SB & C)

ETH 310: Critical Research Methods (SB)

HST 341: U.S. West 19th Century (SB &
H)

HST 375: Colonial Latin America (SB &
H)

HST 418: The Hispanic Southwest (SB)

HST 419: 20th Century Chicano/a History

HST 447: Modern Mexico (SB & H)

WST 430: Gender on the Borderlands (SB
& G)

WST 467: Ethnic Women Writers (HU &
C)

WST 473: Indigenous and Latina/Chicana
Representation (SB & C)

WST 475: Women of the Diaspora across
Cultures (HU)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

Total Community College Hrs: 64
maximum

Total College Residency Hrs: 12
minimum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Statistics, BS**

New College of Interdisciplinary Arts and Sciences

West campus
ASSTABS

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
IAS 191: New College Freshman Seminar	2	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Social-Behavioral Sciences (SB)	3		
Global Awareness (G)	3		
Term hours subtotal:	15		
Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
ACO 101: Introduction to Computer Science (CS)	3	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 32 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 STP 280: Probability and Statistics for Researchers	3	C	
MAT 272: Calculus with Analytic Geometry III (MA)	4	C	
Cultural Diversity in the U.S. (C)	3		
Natural Science - Quantitative (SQ)	4		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		
Term 4 46 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

 STP 281: Statistical Analysis for Researchers	3	C
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
Literacy and Critical Inquiry (L)	3	
Historical Awareness (H)	3	
 ACO 102: Object-Oriented Programming (CS) OR Upper Division Cultural Diversity in the U.S. (C) OR Upper Division Global Awareness (G)	3	C
Term hours subtotal:	16	

Term 5 62 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 STP 310: Design and Analysis of Experiments	3	C	
MAT 343: Applied Linear Algebra	3	C	
STP 420: Introductory Applied Statistics (CS)	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 STP 311: Regression and Time Series Analyses	3	C	
STP 315: Statistical Computing	3	C	
STP 421: Probability	3	C	
Track Focus Area Course	3-4	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15-16		

Term 7 92 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 STP 427: Mathematical Statistics	3	C	
 Upper Division Statistics Elective	3	C	
Track Focus Area Course	3-4	C	
Upper Division Elective	3		
Elective	2		
Term hours subtotal:	14-15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 STP 485: Statistics Capstone	3	C	
 Upper Division Statistics Elective	3	C	
Track Focus Area Course	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Upper Division Elective	3		

- Students must select one focus and complete a minimum of 9 hours from that focus area. Students who choose the focus in Chemistry must take additional courses for the SQ and SQ/SG. The focus area courses are in addition to the general studies requirement.

Computer Science Focus Area

ACO 102: Object-Oriented Programming (CS)

ACO 201: Data Structures and Algorithms (CS)

ACO 220: Introduction to Database Systems (CS)

Chemistry Focus Area

CHM 113: General Chemistry I (SQ)

CHM 116: General Chemistry II (SQ)

CHM 233: General Organic Chemistry I

Mathematics Focus Area

MAT 243: Discrete Mathematical Structures

MAT 371: Advanced Calculus I

MAT 421: Applied Computational Methods (CS)

MAT 450: Mathematical Models in Biology

Statistic Electives

STP 450: Nonparametric Statistics

STP 451: Quality Improvement

STP 452: Multivariate Statistics

STP 460: Categorical Data Analysis

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

Total College Residency Hrs: 12 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Women and Gender Studies, BA**

New College of Interdisciplinary Arts and Sciences
West campus
ASWSTBA

Term 1 0 - 17 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or  ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR  ENG 107: First-Year Composition or  ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
IAS 191: New College Freshman Seminar	2	C	
MAT 142: College Mathematics (MA)	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	17		

Term 2 18 - 33 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 WST 100: Women, Gender, and Society (SB & C)	3	C	
 ENG 101: First-Year Composition or  ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR  ENG 107: First-Year Composition or  ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 34 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 WST 276: Wave on Wave: Survey of U.S. Women's Movements (H)	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Elective	6		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 49 - 64 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

 WST Elective	3	C
Global Awareness (G)	3	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	
Complete 2 courses: Elective	6	
Term hours subtotal:	16	

Term 5 65 - 79 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HRC 310: Social and Cultural Studies: Method and Theory	3	C	
 Upper Division WST Elective	3	C	
Complete 2 courses: Upper Division Elective	6		
Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 6 80 - 94 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Complete 4 courses: Upper Division WST Elective	12	C	
WST Elective	3	C	
Term hours subtotal:	15		

Term 7 95 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 Complete 2 courses: Upper Division WST Elective	6	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Elective	2		
Term hours subtotal:	14		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HRC 480: Capstone: Practices and Approaches	3	C	
 Complete 2 courses: Upper Division WST Elective	6	C	
Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.	3	C	
Term hours subtotal:	12		

- For WST Electives, students must choose 33 credit hours from the course list below. Other courses must be approved by their advisor.

WST Electives
AMS 332: Studies in Race and Ethnicity
AMS 428: Chicano Cultures in the Southwest (SB)
AMS 431: Gender Studies
COM 316: Gender and Communication (SB & C)
COM 416: Gender, Race, Colonialism, and Media
ENG 454: Gender and Literature (L or HU)
ENG 455: Contemporary Women Writers
ENG 460: Ethnic Women Writers
ENG 461: Studies in Women and Literature (HU)
ENG 462: Africana Literature (HU & G)
ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)
HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H)
HST 415: Unequal Sisters: Women and Political and Cultural Change ((L or SB) & H & C)
HST 464: Women in Europe to 1750 (H)
HST 465: Women in Europe, 1750 to Present ((L or HU or SB) & H)
IAS 408: Feminist Ethics (HU)
PHI 408: Feminist Ethics (HU)
REL 390: Women and Religion (HU & G)
SBS 301: Cultural Diversity ((L or SB) & C)
SOC 426: Social Inequality (SB)
WST 390: Women and Religions (HU & G)
WST 2** Elective
WST 3** Elective
WST 4** Elective

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

Total Community College Hrs: 64
maximum

Total College Residency Hrs: 12
minimum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Women and Gender Studies, BS**

New College of Interdisciplinary Arts and Sciences
West campus
ASWSTBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
IAS 191: New College Freshman Seminar	2	C	
MAT 142: College Mathematics (MA)	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 WST 100: Women, Gender, and Society (SB & C)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 WST 276: Wave on Wave: Survey of U.S. Women's Movements (H)	3	C	
Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Complete 2 courses: Elective	5		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 45 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

 Complete 2 courses: WST Elective		6	C	
Global Awareness (G)		3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)		4		
Elective		3		
Term hours subtotal:		16		
Term 5 61 - 75 Credit Hours Necessary course signified by 		Hours	Minimum Grade	Notes
 HRC 310: Social and Cultural Studies: Method and Theory		3	C	
 WST Elective		3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)		3		
Complete 2 courses: Upper Division Elective		6		
Term hours subtotal:		15		
Term 6 76 - 90 Credit Hours Necessary course signified by 		Hours	Minimum Grade	Notes
 Complete 3 courses: Upper Division WST Elective		9	C	
Statistics, Quantitative Methods or Computer Science Course		3	C	
Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.		3	C	
Term hours subtotal:		15		
Term 7 91 - 105 Credit Hours Necessary course signified by 		Hours	Minimum Grade	Notes
 Complete 3 courses: Upper Division WST Elective		9	C	
Upper Division Literacy and Critical Inquiry (L)		3		
Language and Cultures: Requirement satisfied through the following: * Completion of six semester hours of upper-division courses that have a Global Awareness (G) or Cultural Diversity (C) designation, in addition to the courses used to meet the University General Studies requirements or four (4) sequential semesters of one foreign language or two (2) semesters of a current computer language. Adjustment to upper division hours is required if lower division courses are used.		3	C	
Term hours subtotal:		15		
Term 8 106 - 120 Credit Hours Necessary course signified by 		Hours	Minimum Grade	Notes
 HRC 480: Capstone: Practices and Approaches		3	C	
 Complete 2 courses: Upper Division WST Elective		6	C	
Statistics, Quantitative Methods or Computer Science Course		3	C	
Upper Division Elective		3		

- For WST Electives, students must choose 33 credit hours from the course list below. Other courses must be approved by their advisor.

WST Electives

AMS 332: Studies in Race and Ethnicity

AMS 428: Chicano Cultures in the Southwest (SB)

AMS 431: Gender Studies

COM 316: Gender and Communication (SB & C)

COM 416: Gender, Race, Colonialism, and Media

ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C)

ENG 454: Gender and Literature (L or HU)

ENG 455: Contemporary Women Writers

ENG 460: Ethnic Women Writers

ENG 461: Studies in Women and Literature (HU)

ENG 462: Africana Literature (HU & G)

HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H)

HST 415: Unequal Sisters: Women and Political and Cultural Change ((L or SB) & H & C)

HST 464: Women in Europe to 1750 (H)

HST 465: Women in Europe, 1750 to Present ((L or HU or SB) & H)

IAS 408: Feminist Ethics (HU)

PHI 408: Feminist Ethics (HU)

REL 390: Women and Religion (HU & G)

SBS 301: Cultural Diversity ((L or SB) & C)

SOC 426: Social Inequality (SB)

WST 390: Women and Religions (HU & G)

WST 2** Elective

WST 3** Elective

WST 4** Elective

Statistics, Quantitative Methods or Computer Science Courses

PSY 230: Introduction to Statistics (CS)

PSY 290: Research Methods (L or SG)

SBS 303: Quantitative Methods

SBS 304: Social Statistics I (CS)

SOC 390: Social Statistics I (CS)

STP 226: Elements of Statistics (CS)

STP 420: Introductory Applied Statistics (CS)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

Total College Residency Hrs: 12
minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Nursing - Post Baccalaureate BSN, BSN

College of Nursing & Health Innovation
NUNURDBSN

Term 4 1 - 17 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	
 CHM 101: Introductory Chemistry (SQ)	4	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
 HCR 220: Introduction to Nursing and Healthcare Systems (H)	3	C	
 STP 226: Elements of Statistics (CS)	3	C	
 Minimum 3.50 GPA ASU Cumulative.			
Term hours subtotal:	17		
Term 5 18 - 31 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	
 MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
 CDE 232: Human Development (SB)	3	C	
 NTR 241: Human Nutrition	3	C	
 Minimum 3.50 GPA ASU Cumulative.			
Term hours subtotal:	14		
Term 6 32 - 35 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HCR 240: Human Pathophysiology	4	C	
 Milestone: Students must be placed in the Post-Baccalaureate Clinical Nursing Program by the Undergraduate Student Academic Services Office. Placement is not guaranteed. There may be more applicants than clinical space allows.			
 Minimum 3.50 GPA ASU Cumulative.			
Term hours subtotal:	4		
Term 7 36 - 52 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 NUR 311: Pharmacology	3	C	
 NUR 330: Professional Nurse Attributes (HU)	3	C	
 NUR 356: Nursing Theory I	5	C	

★ NUR 366: Nursing Practice I Post Baccalaureate	6	Y
Term hours subtotal:	17	

Summer 7 53 - 67 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 315: Methods and Critical Appraisal for Evidence-Based Practice (L)	3	C	
★ NUR 317: Nursing Concepts for Psychiatric/Mental Health Nursing	2	C	
★ NUR 367: Nursing Practice: Psychiatric/Mental Health	2	Y	
★ NUR 415: Nursing Concepts for Childbearing Family	2	C	
★ NUR 417: Nursing Concepts: Pediatric Clients	2	C	
★ NUR 475: Nursing Practicum: Care of the Childbearing Family	2	Y	
★ NUR 477: Nursing Practice: Pediatrics	2	Y	
Term hours subtotal:	15		

Term 8 68 - 85 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 384: Gerontological Nursing	1	C	
★ NUR 416: Nursing Concepts: Community/Public Health	3	C	
★ NUR 418: Nursing Concepts: Complex Care	3	C	
★ NUR 419: Leading & Managing Nursing in Organizational Systems	2	C	
★ NUR 431: Professional Nurse Attributes Innovative Professional (L)	3	C	
★ NUR 476: Nursing Practice: Community and Public Health	2	Y	
★ NUR 478: Nursing Practice: Complex Care	2	Y	
★ NUR 479: Nursing Practice: Clinical Immersion	2	Y	
Term hours subtotal:	18		

- Placement into the Post Baccalaureate BSN Pre-Licensure Program is based on clinical space availability. In addition to the application to the University, there is a separate application process to be selected for placement in this program. To be considered a qualified applicant you must meet all of the following criteria:

1. Provide proof of completion of Bachelor degree prior to application deadline
2. Complete all 10 pre-requisite courses with a grade of C or better and a combined GPA of at least 3.50. All courses must be evaluated by Academic Advisor from College of Nursing and Health Innovation
 - BIO 201: Human Anatomy and Physiology I
 - BIO 202: Human Anatomy and Physiology II
 - CHM 101: Introduction to Chemistry/ Lab
 - MIC 205/206: Microbiology w/Lab
 - CDE 232: Human Development
 - HCR 220: Introduction to Nursing and Healthcare systems
 - HCR 240: Human Pathophysiology
 - NTR 241: Human Nutrition
 - PSY 101: Introduction to Psychology
 - Statistics course, approved by advisor
3. Completion of Test of Essential Academic Skills (TEAS)
4. Completion of Post Baccalaureate Essay question

Total Hours: 85
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Nursing - Traditional BSN, BSN

College of Nursing & Health Innovation
NUNURDBSN

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 142: College Mathematics (MA)	3	C	
ASU 101: The ASU Experience	1		ASU Mathematics Placement Test score determines placement in Mathematics course
 Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3	C	
 Minimum 3.50 GPA ASU Cumulative.			ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 Maintain 3.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		In order to advance into the Traditional Pre-Licensure Clinical Nursing Program you must meet all of the Continuing Eligibility Criteria each semester (see bottom of major map for more details).

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	In order to advance into the Traditional Pre-Licensure Clinical Nursing Program you must meet all of the Continuing Eligibility Criteria each semester (see bottom of major map for more details).
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 HCR 210: Clinical Health Care Ethics (HU) OR HCR 220: Introduction to Nursing and Healthcare Systems (H) OR HCR 230: Culture and Health (C & G)	3	C	
 Approved Statistics Course AND Computer/Statistics/Quantitative Applications (CS)	3	C	
 Minimum 3.50 GPA ASU Cumulative.			
 Maintain 3.50 GPA in Critical Tracking Courses.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Minimum

Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Grade	Notes
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	In order to advance into the Traditional Pre-Licensure Clinical Nursing Program you must meet all of the Continuing Eligibility Criteria each semester (see bottom of major map for more details).
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	
 MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
 HCR 210: Clinical Health Care Ethics (HU) OR HCR 220: Introduction to Nursing and Healthcare Systems (H) OR HCR 230: Culture and Health (C & G)	3	C	
 Minimum 3.50 GPA ASU Cumulative.			
 Maintain 3.50 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		

Term 4	45 - 57 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	HCR 240: Human Pathophysiology		4	C	• Must have 3.75 "Select GPA" to begin in Traditional Pre-licensure Clinical nursing Program. "Select GPA" calculated by college and must include grades for ENG 101, ENG 102, three out of the four sciences and eight additional courses.
	Elective		3		
	NTR 241: Human Nutrition		3	C	
	HCR 210: Clinical Health Care Ethics (HU) OR HCR 220: Introduction to Nursing and Healthcare Systems (H) OR HCR 230: Culture and Health (C & G)		3	C	
	Minimum 3.50 GPA ASU Cumulative.				
	Maintain 3.50 GPA in Critical Tracking Courses.				
	Milestone: Completion of all non-coursework Nursing requirements (e.g. immunizations/titers, fingerprint clearance card, background check, CPR/BLS certification, etc.) for continuation into the Traditional Pre-licensure Clinical Nursing Program.				
	Term hours subtotal:		13		

Term 5 58 - 73 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 NUR 310: Nursing Concepts	4	C	
 NUR 311: Pharmacology	3	C	
 NUR 312: Psychomotor Skills for Professional Nursing Practice	2	Y	
 NUR 320: Nursing Practice	4	Y	
 NUR 330: Professional Nurse Attributes (HU)	3	C	
Term hours subtotal:	16		

Term 6 74 - 89 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 NUR 313: Nursing Concepts for Adult Health	3	C	
 NUR 315: Methods and Critical Appraisal for Evidence-Based Practice (L)	3	C	
 NUR 323: Nursing Practice Adult Health	3	Y	

★ NUR 324: Nursing Practice: Psychiatric/Mental Health	3	Y
★ NUR 384: Gerontological Nursing	1	C
★ NUR 316: Nursing Concepts for Psychiatric/Mental Health	3	C
Term hours subtotal:	16	

Term 7 90 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 410: Nursing Concepts for Community and Public Health	3	C	
★ NUR 411: Nursing Concepts for Child bearing and Pediatric Clients	3	C	
★ NUR 412: Nursing Concepts for Pediatric Patients and their Families	3	C	
★ NUR 420: Nursing Practice: Community/Public Health	3	Y	
★ NUR 421: Nursing Practice: Child Bearing/Family Nursing	2	Y	
★ NUR 422: Nursing Practice: Pediatrics	2	Y	
Term hours subtotal:	16		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 413: Nursing for Complex Care	4	C	
★ NUR 423: Nursing Practice: Complex Care & Clinical Immersion	5	Y	
★ NUR 430: Professional Nurse Attributes: Leadership and Management	3	C	
★ NUR 431: Professional Nurse Attributes Innovative Professional (L)	3	C	
Term hours subtotal:	15		

- In order to advance into the Traditional Pre-Licensure Clinical Nursing Program you must meet all of the Continuing Eligibility Criteria each semester.

The Undergraduate Student Services Office will review all criteria each semester.

The Continuing Eligibility Criteria are as follow:

- Full time (12 or more credits per semester) and continuous enrollment in accordance with Major Map
- 3.50 minimum semester ASU GPA in every semester (includes +/- in computation)
- 3.50 minimum critical (prerequisite) course GPA each semester (+/- not used in computation)
- 13 of 17 prerequisite courses, to include all four lab sciences, completed no later than the end of the 3rd term with a 3.75 GPA in those 13 courses or 3.75 select GPA (+/- not used in computation)
- Complete remaining 4 or fewer prerequisites in the 4th term
- Successful completion of all screening items
- Grades of C or better in critical (prerequisite) courses

Approved Statistics (CS) Courses

EDP 454: Statistical Data Analysis in Education (CS)

PAF 301: Applied Statistics (CS)

SBS 304: Social Statistics I (CS)

SOC 390: Social Statistics I (CS)

STP 226: Elements of Statistics (CS)

STP 231: Statistics for Life Science (CS)

SWU 321: Statistics for Social Workers
(CS)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Nursing, BSN**

College of Nursing & Health Innovation

Online

NUNURDBSN

Term 5 - A 1 - 3 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TWC 361: Writing for Health Care Management (L)	3	C	
Term hours subtotal:	3		
Term 5 - B 4 - 7 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 391: Professional Nursing Theory (L)	4	C	
Term hours subtotal:	4		
Term 6 - A 8 - 10 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NUR 315: Methods and Critical Appraisal for Evidence-Based Practice (L)	3	C	
Term hours subtotal:	3		
Term 6 - B 11 - 14 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
NUR 392: Health Promotion Across the Life Span OR NUR 440: Community and Public Health Nursing in the United States OR ★ NUR 495: Public and Global Health in Nursing OR NUR 445: Nursing Management in Health Care OR NUR 444: Innovation in Nursing OR NUR 460: The Art of Nursing (HU)	4	C	
Term hours subtotal:	4		
Term 7 - A 15 - 18 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
NUR 392: Health Promotion Across the Life Span OR NUR 440: Community and Public Health Nursing in the United States OR ★ NUR 495: Public and Global Health in Nursing OR NUR 445: Nursing Management in Health Care OR NUR 444: Innovation in Nursing OR NUR 460: The Art of Nursing (HU)	4	C	
Term hours subtotal:	4		
Term 7 - B 19 - 22 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
NUR 392: Health Promotion Across the Life Span OR NUR 440: Community and Public Health Nursing in the United States OR ★ NUR 495: Public and Global Health in Nursing OR NUR 445: Nursing Management in Health Care OR NUR 444: Innovation in Nursing OR NUR 460: The Art of Nursing (HU)	4	C	
Term hours subtotal:	4		

Term 8 - A	23 - 26 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★		NUR 392: Health Promotion Across the Life Span OR NUR 440: Community and Public Health Nursing in the United States OR NUR 495: Public and Global Health in Nursing OR NUR 445: Nursing Management in Health Care OR NUR 444: Innovation in Nursing OR NUR 460: The Art of Nursing (HU)	4	C	
Term hours subtotal:			4		
Term 8 - B	27 - 30 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★		NUR 392: Health Promotion Across the Life Span OR NUR 440: Community and Public Health Nursing in the United States OR NUR 495: Public and Global Health in Nursing OR NUR 445: Nursing Management in Health Care OR NUR 444: Innovation in Nursing OR NUR 460: The Art of Nursing (HU)	4	C	
Term hours subtotal:			4		
Term 9 - A	31 - 34 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★		NUR 392: Health Promotion Across the Life Span OR NUR 440: Community and Public Health Nursing in the United States OR NUR 495: Public and Global Health in Nursing OR NUR 445: Nursing Management in Health Care OR NUR 444: Innovation in Nursing OR NUR 460: The Art of Nursing (HU)	4	C	
Term hours subtotal:			4		
Term 9 - B	35 - 38 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★		NUR 464: Capstone: The Synthesis of Professional Nursing	4	C	
Term hours subtotal:			4		

- There are different options available for the Online RN to BSN including the Pathway, the Non-Pathway, and the Concurrent Enrollment Program. The pre-requisites for each option vary and the number of courses needed to graduate from ASU with a BSN may vary. Students must see an RN to BSN academic advisor for more information about the pre-requisites and the graduation requirements.

Total Hours: 38

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Pre-Nursing

College of Nursing & Health Innovation

Downtown Phoenix campus

NUNURPRE

This program is not currently accepting applications.

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 142: College Mathematics (MA)	3	C	ASU Mathematics Placement Test score determines placement in Mathematics course
ASU 101: The ASU Experience	1		
 Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3	C	ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 Maintain 3.25 GPA in Critical Tracking Courses.			
Term hours subtotal:	14		Meeting minimum requirements does not guarantee advancement into Traditional Pre-licensure Clinical Nursing Program. Admission is based on a competitive application process (see bottom of major map for more details).

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 101: Introductory Chemistry (SQ) OR BIO 201: Human Anatomy and Physiology I (SG)	4	C	Meeting minimum requirements does not guarantee advancement into Traditional Pre-licensure Clinical Nursing Program. Admission is based on a competitive application process (see bottom of major map for more details).
 HCR 210: Clinical Health Care Ethics (HU) OR HCR 220: Introduction to Nursing and Healthcare Systems (H) OR HCR 230: Culture and Health (C & G)	3	C	
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 Approved Statistics Course AND Computer/Statistics/Quantitative Applications (CS)	3	C	
 Maintain 3.25 GPA in Critical Tracking Courses.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			

Term hours subtotal: 16

Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HCR 210: Clinical Health Care Ethics (HU) OR  HCR 220: Introduction to Nursing and Healthcare Systems (H) OR HCR 230: Culture and Health (C & G)	3	C	Meeting minimum requirements does not guarantee advancement into Traditional Pre-licensure Clinical Nursing Program. Admission is based on a competitive application process (see bottom of major map for more details).
 CDE 232: Human Development (SB) OR PSY 101: Introduction to Psychology (SB)	3	C	
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	
 MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG)	4	C	
 Maintain 3.25 GPA in Critical Tracking Courses.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	14		

Term 4 45 - 57 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 HCR 240: Human Pathophysiology	4	C	- Must have 3.75 "Select GPA" to begin in Traditional Pre-licensure Clinical nursing Program. "Select GPA" calculated by college and must include grades for ENG 101, ENG 102, three out of the four sciences and eight additional courses. - Meeting minimum requirements does not guarantee advancement into Traditional Pre-licensure Clinical Nursing Program. Admission is based on a competitive application process (see bottom of major map for more details).
Elective	3		
 NTR 241: Human Nutrition	3	C	
 HCR 210: Clinical Health Care Ethics (HU) OR  HCR 220: Introduction to Nursing and Healthcare Systems (H) OR HCR 230: Culture and Health (C & G)	3	C	
 Maintain 3.25 GPA in Critical Tracking Courses.			
 Milestone: Students must either secure a space in the Clinical Nursing program or select alternative major. Please see your Nursing academic advisor.			
Term hours subtotal:	13		

- Advancement to the Traditional Pre-licensure Clinical Nursing program (TPCNP) is based on clinical space availability. Students directly admitted to the nursing major (not pre-nursing) are guaranteed advancement to the clinical program within a year of eligibility. Those not directly admitted, or those that forfeit their space, may go through the Competitive Application process for advancement to the clinical program. More students may compete for advancement than space will allow.

Competitive Application Process (CAP) and Minimum Eligibility for Advancement to the TPCNP:

Prerequisite and Select GPA: Minimum required = 3.250

Test of Essential Academic Skills (TEAS®) score: Minimum required = 58.7%

The Select GPA and TEAS score will be used to rank students from high to low in the CAP. After directly admitted students who meet Continuing Eligibility Criteria are advanced, students highest on the list will be offered spaces in the TPCNP that remain. Students not selected may choose to compete again in the next term, if space is available. There is no limit on the number of times students may compete; a waiting list will not be maintained. Students who do not meet the minimum Select GPA/TEAS will be withdrawn from consideration.

If you are not advanced into the Nursing program by term 5, you will need to select a new major. The Pre-Nursing major does not lead to a degree, and therefore, you must select a program that offers terms 5-8.

Approved Statistics (CS) Courses

EDP 454: Statistical Data Analysis in Education (CS)

PAF 301: Applied Statistics (CS)

SBS 304: Social Statistics I (CS)

SOC 390: Social Statistics I (CS)

STP 226: Elements of Statistics (CS)

STP 231: Statistics for Life Science (CS)

SWU 321: Statistics for Social Workers (CS)

Total Hours: 57

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

Name: _____	ASU ID: _____
AAS Degree: _____	AAS degree date: _____
AAS Institution: _____	Catalog year: _____
Number of upper division transfer credits: _____	Expected Graduation Semester: _____
Institution of transfer work (upper division only): _____	

Course Subject and Title	Hrs.	Upper Division	Transfer Course/Grade	Minimum Grade if Required	Additional Notes
GENERAL STUDIES SEQUENCE: 19 CREDIT HOURS					
MAT 142: College Mathematics (MA) OR Mathematics (MA)	3	☐			Students must also satisfy general studies awareness areas either through completed transfer work or by sharing with L, HU, or SB courses at ASU: ☐ Cultural Diversity in the U.S. (C) ☐ Global Awareness (G) ☐ Historical Awareness (H)
Natural Science - Quantitative (SQ)	4	☐			
Upper Division Humanities, Arts and Design (HU)	3	☒			
PAF 311: Leadership and Change (SB)	3	☒			
Upper Division Literacy and Critical Inquiry (L)	3	☒			
PAF 201: Economics and Public Policy (SB)	3	☐			
BAS CORE: 15 CREDIT HOURS					
PAF 302: Public Service Research Methods or PAF 363: Computer Applications in Emergency Management	3	☒			
PAF 301: Applied Statistics (CS)	3	☒			
PAF 460: Public Service Ethics	3	☒			
PAF 340: Contemporary Policy Challenges	3	☒			
PAF 410: Building Leadership Skills (SB)	3	☒			
CONCENTRATION: 21 CREDIT HOURS					
PAF 300: Public Management and Administration	3	☒			
PAF 360: Introduction to Emergency Management	3	☒			
PAF 424: Comprehensive Emergency Management	3	☒			
PAF 425: National Incident Management System (NIMS)	3	☒			
PAF 468: Simulation and Exercising	3	☒			
PAF 469: Terrorism Defense	3	☒			
PAF 400: Senior Capstone Project	3	☒			
ASSIGNABLE CREDITS: 5 CREDIT HOURS					
	2	☐			• Consult with your advisor on assignable credit course selections
	3	☐			

BAS Graduation Requirements Summary:

This program allows students who have earned an Associate of Applied Science from a regionally accredited institution to transfer 60 or 75 credit hours toward a Bachelor of Applied Science at ASU. Students may opt to complete additional general studies course work at a community college to be eligible to transfer up to 75 credits towards the BAS.

- ☐ Total hours: 120 minimum
- ☐ ASU hours: 30 minimum
- ☐ 4-year institution hours: 45-60 minimum
- ☐ Upper division hours: 45 minimum
- ☐ Academic Recognition: 56 minimum
- ☐ GPA: 2.000 minimum
- ☐ Total hours transferred from community college: 60-75 maximum

General University Requirements: Legend

- General Studies Core Requirements:
 - o Literacy and Critical Inquiry (L)
 - o Mathematical Studies (MA)
 - o Computer/Statistics/Quantitative applications (CS)
 - o Humanities, Arts and Design (HU)
 - o Social-Behavioral Sciences (SB)
 - o Natural Science-Quantitative (SQ)
 - o Natural Science-General (SG)
- General Studies Awareness Requirements
 - o Cultural Diversity in the US (C)
 - o Global Awareness (G)
 - o Historical Awareness (H)
- First-Year Composition

2014 - 2015 Major Map Community Sports Management, BS

College of Public Programs

Downtown Phoenix campus

PPCSMBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU 101 is for ASU freshman students only and is not required for transfer students
 PRM 120: Leisure and the Quality of Life (SB)	3	C	
ASU 101-CPP: The ASU Experience	1		
MAT 142: College Mathematics (MA)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
CSM 201: Introduction to Community Sports	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions.	3	C	
TDM 205: Introduction to Travel and Tourism (G)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB) AND Historical Awareness (H)	3		
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 15

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	
CSM Related Area Course	3	C	
Interdisciplinary Requirement	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	3		
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CSM 305: Survey of Sport Facility Design	3	C	
CRD 301: Sustainable Communities	3	C	
CSM 303: Program Planning	3	C	
PRM 315: Community Recreation Systems	3	C	
TDM 350: Tourism Marketing	3	C	
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CRD 302: Inclusive Community Development (C)	3	C	
CSM 407: Ethics and Legal Issues in Sports	3	C	
Upper Division CSM Related Area Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CRD 403: Leadership and Professional Development	3	C	
CSM 401: Management of Parks and Recreation Services	3	C	
CSM 402: Assessment and Evaluation of Community Services	3	C	
Complete 2 courses: Upper Division CSM Related Area Course	6	C	
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CSM 463: Senior Internship	12	C	
Term hours subtotal:	12		

- For the COPP Interdisciplinary Requirement:
 - Students can choose courses from any of the three Interdisciplinary areas/track groups.
 - To meet the requirement, students must take three courses from at least two different groups.

COPP Interdisciplinary Requirement-Area 1

CRJ 100: Introduction to Criminal Justice (SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology (SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

NLM 160: Voluntary Action and Community Leadership (SB)

TDM 205: Introduction to Travel and Tourism (G)

TDM 458: International Tourism (G)

COPP Interdisciplinary Requirement-Area 2

PAF 200: Public Service and Policy in the 21st Century

PAF 201: Economics and Public Policy (SB)

PAF 311: Leadership and Change (SB)

PAF 410: Building Leadership Skills (SB)

URB 240: Urban Policy (C)

COPP Interdisciplinary Requirement-Area 3

SWU 171: Introduction to Social Work (SB & H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Arizona and National Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social Issues Perspectives

SWU 250: Stress Management Tools (SB)

CSM Related Area (12 credits - grade of 'C' required) 9 credits minimum upper division

NLM 160: Voluntary Action and Community Leadership (SB)

NLM 220: Introduction to Nonprofit Organizations

NLM 310: Volunteer Management

NLM 380: Financial Management for Nonprofit Organizations

NLM 410: Social Entrepreneurship

PAF 410: Building Leadership Skills (SB)

PRM 364: Foundations of Therapeutic Recreation (SB)

PRM 455: Play in Child Life

PRM 475: Entrepreneurial Recreation and Tourism

PRM 486: Special Events Management

PRM 488: Event Marketing and Promotion

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

URB 240: Urban Policy (C)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Criminal Justice and Criminology, BS

College of Public Programs

PPCRIMJBS

Term 1 0 - 17 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CRJ 100: Introduction to Criminal Justice (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU 101 is for ASU freshman students only and is not required for transfer students
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB) AND Global Awareness (G)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	17		

Term 2 18 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CRJ 201: Criminal Justice Crime Control Policies and Practices OR CRJ 225: Introduction to Criminology (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
MAT course (MA)	3	C	
Interdisciplinary Requirement	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CRJ 201: Criminal Justice Crime Control Policies and Practices OR CRJ 225: Introduction to Criminology (SB)	3	C	
CRJ 203: Courts and Sentencing OR CRJ 204: Juvenile Justice OR CRJ 230: Introduction to Policing OR CRJ 240: Introduction to Corrections OR CRJ 260: Substantive Criminal Law OR CRJ 270: Community Relations in the Justice System (SB) OR CRJ 2** Elective	3	C	
Interdisciplinary Requirement	3		

Natural Science - Quantitative (SQ)	4
Elective	3
❗ Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 49 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
CRJ 203: Courts and Sentencing OR CRJ 204: Juvenile Justice OR ❗ CRJ 230: Introduction to Policing OR CRJ 240: Introduction to Corrections OR CRJ 260: Substantive Criminal Law OR CRJ 270: Community Relations in the Justice System (SB) OR CRJ 2** Elective	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRJ 303: Statistical Analysis (CS)	3	C	
Interdisciplinary Requirement	3		
Upper Division Related Area Course	3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRJ 302: Research Methods (L)	3	C	
★ CRJ 308: Advanced Criminological Theory	3	C	
Upper Division Related Area Course	3	C	
Complete 2 courses: CRJ 3** Elective OR CRJ 4** Elective	6	C	
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRJ 305: Gender, Crime, and Criminal Justice (C) OR CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)	3	C	
CRJ 4** Elective	3	C	
CRJ 3** Elective OR CRJ 4** Elective	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ Complete 2 courses: CRJ 4** Elective	6	C	
Upper Division Related Area Course	3	C	
Elective	3		
Term hours subtotal:	12		

• For the COPP Interdisciplinary Requirement:

- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take three courses from at least two different groups.

COPP Interdisciplinary Requirement - Area 1

NLM 160: Voluntary Action and Community Leadership (SB)

PRM 120: Leisure and the Quality of Life (SB)

PRM 364: Foundations of Therapeutic Recreation (SB)

PRM 380: Wilderness and Parks in America (SB & H)

TDM 205: Introduction to Travel and Tourism (G)

TDM 458: International Tourism (G)

COPP Interdisciplinary Requirement - Area 2

PAF 200: Public Service and Policy in the 21st Century

PAF 201: Economics and Public Policy (SB)

PAF 311: Leadership and Change (SB)

PAF 410: Building Leadership Skills (SB)

URB 240: Urban Policy (C)

COPP Interdisciplinary Requirement - Area 3

SWU 171: Introduction to Social Work (SB & H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Arizona and National Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social Issues Perspectives

SWU 250: Stress Management Tools (SB)

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay Bisexual, Transgender, and Queer Issues

Related Area Courses

AFR 301: Race and Racism in Africa/African Diaspora (SB & G)

AMS 412: Immigration and Human Rights

ASB 410: Poverty, Social Justice, and Global Health ((L or SB) & G)

ASM 459: Forensic Anthropology

BIO 305: Biology Behind the Crime Scene (SG)

COM 312: Communication, Conflict, and Negotiation

COM 325: Advanced Public Speaking (L)

COM 326: Court Room Oratory

ENG 302: Business Writing (L)

ENG 311: Persuasive Writing (L)

FMS 468: Crime and Violence in American Film (HU)

HST 322: Constitutional History of the United States Since 1865 (SB & H)

HST 325: Immigration and Ethnicity in the United States (SB & H & C)

HST 327: Women in U.S. History, 1600 to 1880 ((HU or SB) & C & H)

HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H)

JUS 320: Community and Social Justice (SB & C)

JUS 350: Immigration and Justice (SB & C)

JUS 410: Punishment: Logic and Approach

JUS 432: Racial Justice (L)

JUS 465: Death Penalty in the United States (L)

PAF 311: Leadership and Change (SB)

PAF 410: Building Leadership Skills (SB)

PSY 350: Social Psychology (SB)

PHI 307: Philosophy of Law (HU)

PHI 336: Social and Political Philosophy (HU)

PHI 360: Business and Professional Ethics (HU)

PHI 406: Moral Dilemmas (L or HU)

POS 325: Public Policy Development (SB)

POS 346: Problems of Democracy (HU)

POS 370: Law and Society (SB)

POS 442: American Political Thought (HU)

POS 472: Constitutional Law II (SB)

REL 379: Religion, Nationalism, and Ethnic Conflict (HU & G)

REL 381: Religion and Moral Issues (L or HU)

SGS 343: Religion, Nationalism, and Ethnic Conflict (HU & G)

SGS 394: Violence/Conflict/Human Right

SOC 340: The Sociology of Deviance (SB)

SOC 360: Sociological Psychology (SB)

TCL 314: Transborder Regional Immigration and Economy ((L or SB) & H & C)

URB 300: Urban and Metropolitan Studies

URB 305: Urban Governance

URB 410: Building Leadership Skills (SB)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Criminal Justice and Criminology, BS

College of Public Programs

Online

PPCRIMJBS

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CRJ 100: Introduction to Criminal Justice (SB)	3	C	- An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition - ASU Math Placement Exam score determines placement in Mathematics course - ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		

Term 1 - B 8 - 13 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
Term hours subtotal:	6		

Term 2 - A 14 - 19 Credit Hours	Hours	Minimum Grade	Notes
HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H) OR HST 325: Immigration and Ethnicity in the United States (SB & H & C) OR SOC 324: Work and the Workplace (SB & H) OR SOC 352: Social Change (SB & G & H) OR Social-Behavioral Sciences (SB)	3		
MAT course (MA)	3	C	
Term hours subtotal:	6		

Term 2 - B 20 - 26 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CRJ 201: Criminal Justice Crime Control Policies and Practices OR CRJ 225: Introduction to Criminology (SB)	3	C	
AST 111: Introduction to Solar Systems Astronomy (SQ) AND AST 113: Astronomy Laboratory I (SQ) OR AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ) AND AST 114: Astronomy Laboratory II (SQ) OR GLG 101: Introduction to Geology I (Physical) (SQ) AND GLG 103: Introduction to Geology I-Laboratory (SQ) OR	4		

SES 106: Habitable Worlds (SQ) OR
Natural Science - Quantitative (SQ)

❗ Complete ENG 101 OR ENG 105 OR ENG 107 course(s).

Term hours subtotal: 7

Term 3 - A 27 - 33 Credit Hours **Critical course signified by** ❗

Hours	Minimum Grade	Notes

❗ CRJ 201: Criminal Justice Crime Control Policies and Practices OR
CRJ 225: Introduction to Criminology (SB)

3	C	

Natural Science - General (SG) OR
SES 106: Habitable Worlds (SQ) OR
CHM 101: Introductory Chemistry (SQ) OR
Natural Science - Quantitative (SQ) OR
GLG 101: Introduction to Geology I (Physical) (SQ & G) AND
GLG 103: Introduction to Geology I-Laboratory (SQ)

4		

Term hours subtotal: 7

Term 3 - B 34 - 39 Credit Hours **Critical course signified by** ❗

Hours	Minimum Grade	Notes

CRJ 230: Introduction to Policing OR
CRJ 240: Introduction to Corrections OR
CRJ 270: Community Relations in the Justice System (SB) OR
CRJ 204: Juvenile Justice OR
CRJ 260: Substantive Criminal Law OR
CRJ 2** Elective

3	C	

Global Awareness (G)

3		

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 6

Term 4 - A 40 - 45 Credit Hours **Critical course signified by** ❗

Hours	Minimum Grade	Notes

CRJ 230: Introduction to Policing OR
CRJ 240: Introduction to Corrections OR
❗ CRJ 270: Community Relations in the Justice System (SB) OR
CRJ 204: Juvenile Justice OR
CRJ 260: Substantive Criminal Law OR
CRJ 2** Elective

3	C	

HST 100: Global History to 1500 (HU & H & G) OR
HST 101: Global History Since 1500 (HU & H & G) OR
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR
ARS 102: Art from Renaissance to Present (HU & H) OR
Humanities, Arts and Design (HU) AND Historical Awareness (H)

3		

Term hours subtotal: 6

Term 4 - B 46 - 51 Credit Hours

Hours	Minimum Grade	Notes

ENG 215: Strategies of Academic Writing (L) OR
ENG 216: Persuasive Writing on Public Issues (L) OR
REL 207: Ritual, Symbol, and Myth (L or HU) OR
TWC 301: General Principles of Multimedia Writing (L) OR
TWC 347: Written Communication for Managers (L) OR
Literacy and Critical Inquiry (L)

3		

HST 100: Global History to 1500 (HU & H & G) OR
HST 101: Global History Since 1500 (HU & H & G) OR
ARS 101: Art from Prehistory Through Middle Ages (HU & H) OR
ARS 102: Art from Renaissance to Present (HU & H) OR
Humanities, Arts and Design (HU) AND Global Awareness (G)

3		

Term hours subtotal: 6

Term 5 - A	52 - 57 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	CRJ 303: Statistical Analysis (CS)		3	C	
	HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) OR REL 320: American Religious Traditions (HU & C & H) OR REL 321: Religion in America ((L or HU) & C & H) OR ARS 300: Introduction to Art (HU) OR Upper Division Humanities, Arts and Design (HU) OR ASB 353: Death and Dying in Cross-Cultural Perspective ((HU or SB) & G) OR SOC 352: Social Change (SB & G & H) OR HST 456: The Vietnam War (SB & G & H) OR HST 372: Modern Middle East (SB & G & H) OR Upper Division Social-Behavioral Sciences (SB)		3		
	Term hours subtotal:		6		
Term 5 - B	58 - 63 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	CRJ 302: Research Methods (L)		3	C	
	COM 312: Communication, Conflict, and Negotiation OR HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) OR JUS 350: Immigration and Justice (SB & C) OR PAF 311: Leadership and Change (SB) OR PAF 410: Building Leadership Skills (SB) OR PSY 350: Social Psychology (SB)		3	C	
	Term hours subtotal:		6		
Term 6 - A	64 - 69 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	CRJ 308: Advanced Criminological Theory		3	C	
	CPP 494: Social Media for Social Good OR PAF 410: Building Leadership Skills (SB) OR PAF 311: Leadership and Change (SB) OR PRM 380: Wilderness and Parks in America (SB & H) OR SWU 171: Introduction to Social Work (SB & H)		3	C	
	Term hours subtotal:		6		
Term 6 - B	70 - 75 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
	CRJ 321: Imperatives of Proof OR CRJ 350: Law and Social Control (SB) OR CRJ 3** Elective OR ★ CRJ 410: Procedural Criminal Law OR ★ CRJ 443: Community Corrections OR CRJ 461: Domestic Violence OR CRJ 462: Gangs OR CRJ 463: White Collar Crime OR CRJ 4** Elective		3	C	
	Elective		3		
	Term hours subtotal:		6		
Term 7 - A	76 - 81 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	CRJ 321: Imperatives of Proof OR CRJ 350: Law and Social Control (SB) OR CRJ 3** Elective OR CRJ 410: Procedural Criminal Law OR ★ CRJ 443: Community Corrections OR ★ CRJ 461: Domestic Violence OR		3	C	

CRJ 462: Gangs OR
 CRJ 463: White Collar Crime OR
 CRJ 4** Elective

Elective	3

Term hours subtotal:	6

Term 7 - B 82 - 87 Credit Hours

Hours

**Minimum
Grade**

Notes

CPP 494: Social Media for Social Good OR
 PAF 410: Building Leadership Skills (SB) OR
 PAF 311: Leadership and Change (SB) OR
 PRM 380: Wilderness and Parks in America (SB & H) OR
 SWU 171: Introduction to Social Work (SB & H)

3

C

CRJ 305: Gender, Crime, and Criminal Justice (C) OR
 CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C)

3

C

Term hours subtotal:	6

Term 8 - A 88 - 93 Credit Hours **Necessary course signified by** ★

Hours

**Minimum
Grade**

Notes

CRJ 321: Imperatives of Proof OR
 CRJ 350: Law and Social Control (SB) OR
 CRJ 3** Elective OR
 ★ CRJ 410: Procedural Criminal Law OR
 CRJ 443: Community Corrections OR
 CRJ 461: Domestic Violence OR
 CRJ 462: Gangs OR
 CRJ 463: White Collar Crime OR
 CRJ 4** Elective

3

C

Elective

3

Term hours subtotal:	6

Term 8 - B 94 - 99 Credit Hours **Necessary course signified by** ★

Hours

**Minimum
Grade**

Notes

★ CRJ 410: Procedural Criminal Law OR
 CRJ 443: Community Corrections OR
 CRJ 461: Domestic Violence OR
 CRJ 462: Gangs OR
 CRJ 4** Elective

3

C

Elective

3

Term hours subtotal:	6

Term 9 - A 100 - 105 Credit Hours

Hours

**Minimum
Grade**

Notes

COM 312: Communication, Conflict, and Negotiation OR
 ENG 301: Writing for the Professions (L) OR
 HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) OR
 JUS 350: Immigration and Justice (SB & C) OR
 JUS 432: Racial Justice (L) OR
 PAF 311: Leadership and Change (SB) OR
 PAF 410: Building Leadership Skills (SB) OR
 PSY 350: Social Psychology (SB)

3

C

CPP 494: Social Media for Social Good OR
 PAF 410: Building Leadership Skills (SB) OR
 PAF 311: Leadership and Change (SB) OR
 PRM 380: Wilderness and Parks in America (SB & H) OR
 SWU 171: Introduction to Social Work (SB & H)

3

C

Term hours subtotal:	6

Term 9 - B 106 - 111 Credit Hours **Necessary course signified by** ★

Hours

**Minimum
Grade**

Notes

CRJ 410: Procedural Criminal Law OR ★ CRJ 443: Community Corrections OR CRJ 461: Domestic Violence OR CRJ 462: Gangs OR CRJ 4** Elective	3	C
Upper Division Elective	3	
Term hours subtotal:	6	

Term 10 - A 112 - 117 Credit Hours	Hours	Minimum Grade	Notes
COM 312: Communication, Conflict, and Negotiation OR ENG 301: Writing for the Professions (L) OR HST 328: Women in U.S. History, 1880-1980 ((HU or SB) & C & H) OR JUS 350: Immigration and Justice (SB & C) OR JUS 432: Racial Justice (L) OR PAF 311: Leadership and Change (SB) OR PAF 410: Building Leadership Skills (SB) OR PSY 350: Social Psychology (SB)	3	C	
Upper Division Elective	3		
Term hours subtotal:	6		

Term 10 - B 118 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
CRJ 410: Procedural Criminal Law OR ★ CRJ 443: Community Corrections OR CRJ 461: Domestic Violence OR CRJ 462: Gangs OR CRJ 4** Elective	3	C	
Term hours subtotal:	3		

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend
 General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

 First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Nonprofit Leadership and Management, BS

College of Public Programs
Downtown Phoenix campus
PPNLMBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 NLM 160: Voluntary Action and Community Leadership (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU 101 is for ASU freshman students only and is not required for transfer students
 SOC 101: Introductory Sociology (SB)	3	C	
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT course (MA)	3	C	
Interdisciplinary Requirement	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 NLM 220: Introduction to Nonprofit Organizations	3	C	
Interdisciplinary Requirement	3		
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 49 - 63 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ COM 225: Public Speaking (L)	3	C	
Interdisciplinary Requirement	3		
NLM Related Area	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NLM 380: Financial Management for Nonprofit Organizations	3	C	
CRD 301: Sustainable Communities	3	C	
CRD 302: Inclusive Community Development (C)	3	C	
NLM 310: Volunteer Management	3	C	
NLM 410: Social Entrepreneurship	3	C	
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NLM 300: Fund Raising and Resource Development	3	C	
PRM 303: Program Planning	3	C	
Complete 2 courses: NLM Related Area	6	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NLM 430: Managing Nonprofit Organizations (L)	3	C	
NLM 402: Assessment and Evaluation of Community Services	3	C	
CRD 403: Leadership and Professional Development	3	C	
NLM Related Area	3	C	
Elective	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ NLM 463: Senior Internship	12	C	
Term hours subtotal:	12		

- For the COPP Interdisciplinary Requirement:
 - Students can choose courses from any of the three Interdisciplinary areas/track groups.
 - To meet the requirement, students must take three courses from at least two different groups.

COPP Interdisciplinary Requirement-Area 1

CRJ 100: Introduction to Criminal Justice (SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology (SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

PRM 120: Leisure and the Quality of Life (SB)

PRM 364: Foundations of Therapeutic Recreation (SB)

PRM 380: Wilderness and Parks in America (SB & H)

TDM 205: Introduction to Travel and Tourism (G)

TDM 458: International Tourism (G)

COPP Interdisciplinary Requirement-Area 2

PAF 200: Public Service and Policy in the 21st Century

PAF 201: Economics and Public Policy (SB)

PAF 311: Leadership and Change (SB)

PAF 410: Building Leadership Skills (SB)

URB 240: Urban Policy (C)

COPP Interdisciplinary Requirement-Area 3

SWU 171: Introduction to Social Work (SB & H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Arizona and National Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social Issues Perspectives

SWU 250: Stress Management Tools (SB)

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay Bisexual, Transgender, and Queer Issues

NLM Related Area (choose 12 credits)

ACC 382: Accounting and Financial Analysis

COM 259: Communication in Business and the Professions

COM 263: Elements of Intercultural Communication (SB & C & G)

MGT 380: Management and Strategy for Nonmajors

NLM 320: Professional Development Seminar

NLM 420: Nonprofit Leadership Alliance Institute

NLM 435: Service Learning for Community Development

PAF 410: Building Leadership Skills (SB)

PRM 304: Recreation Planning and Facility Development (L)

PRM 364: Foundations of Therapeutic Recreation (SB)

PRM 486: Special Events Management

SOC 241: Modern Social Problems (SB)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Parks and Recreation Management, BS

College of Public Programs

Downtown Phoenix campus

PPPRMBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU 101 is for ASU freshman students only and is not required for transfer students
 PRM 120: Leisure and the Quality of Life (SB)	3	C	
ASU 101-CPP: The ASU Experience	1		
Interdisciplinary Requirement	3		
MAT course (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	
Interdisciplinary Requirement	3		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 15

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	
Interdisciplinary Requirement	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Complete 2 courses: Elective	6		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PRM 304: Recreation Planning and Facility Development (L)	3	C	
CRD 301: Sustainable Communities	3	C	
PRM 303: Program Planning	3	C	
Complete 2 courses: Upper Division PRM Related Area Courses	6	C	
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CRD 302: Inclusive Community Development (C)	3	C	
PRM 364: Foundations of Therapeutic Recreation (SB) OR PRM 380: Wilderness and Parks in America (SB & H)	3	C	
Complete 3 courses: Upper Division PRM Related Area Courses	9	C	
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CRD 403: Leadership and Professional Development	3	C	
PRM 401: Management of Parks and Recreation Services	3	C	
PRM 402: Assessment and Evaluation of Community Services	3	C	
Complete 2 courses: Upper Division PRM Related Area Courses	6	C	
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PRM 463: Senior Internship	12	C	
Term hours subtotal:	12		

- For the COPP Interdisciplinary Requirement:
 - Students can choose courses from any of the three Interdisciplinary areas/track groups.
 - To meet the requirement, students must take three courses from at least two different groups.
- In total, seven (7) courses must be taken within the PRM related area electives.
- One (or more) PRM related area sub-groups may be completed by choosing coursework listed within each area.
- Courses from the PRM related area group will be used to complete PRM related area.

PRM Related Area: Nat Rec

PRM 370: Public Lands Management

PRM 380: Wilderness and Parks in America (SB & H)

PRM 470: Environmental Interpretation and Education

TDM 480: Sustainable Tourism

PRM Related Area: Comm Rec

PRM 315: Community Recreation Systems

CSM 201: Introduction to Community Sports

PRM 475: Entrepreneurial Recreation and Tourism

PRM 335: Sports and Recreation for Youth Development

PRM Related Area: Special Event Mgmt

PRM 486: Special Events Management

PRM 487: Advanced Special Events Management

PRM 488: Event Marketing and Promotion

TDM 345: Meeting and Convention Planning

TDM 350: Tourism Marketing

PRM Related Area

NLM 300: Fund Raising and Resource Development

NLM 310: Volunteer Management

PAF 410: Building Leadership Skills (SB)

PRM 150: Outdoor Pursuits

PRM 340: Outdoor Survival

PRM 364: Foundations of Therapeutic Recreation (SB)

PRM 400: Intervention Techniques in Recreation Therapy

PRM 455: Play in Child Life

PUP 301: Introduction to Urban Planning (L)

TDM 205: Introduction to Travel and Tourism (G)

TDM 350: Tourism Marketing

TDM 448: Heritage and Cultural Tourism

COPP Interdisciplinary Requirement-Area 1

CRJ 100: Introduction to Criminal Justice (SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology (SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

NLM 160: Voluntary Action and Community Leadership (SB)

TDM 205: Introduction to Travel and Tourism (G)

TDM 458: International Tourism (G)

COPP Interdisciplinary Requirement-Area 2

PAF 200: Public Service and Policy in the 21st Century

PAF 201: Economics and Public Policy (SB)

PAF 311: Leadership and Change (SB)

PAF 410: Building Leadership Skills (SB)

URB 240: Urban Policy (C)

COPP Interdisciplinary Requirement-Area 3

SWU 171: Introduction to Social Work (SB & H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Arizona and National Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social Issues Perspectives

SWU 250: Stress Management Tools (SB)

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Parks and Recreation Management (Therapeutic Recreation), BS

College of Public Programs

Downtown Phoenix campus

PPPRMTRBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU 101 is for ASU freshman students only and is not required for transfer students
 PRM 120: Leisure and the Quality of Life (SB)	3	C	
ASU 101-CPP: The ASU Experience	1		
Interdisciplinary Requirement	3		
MAT course (MA)	3	C	
Humanities, Arts and Design (HU)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - Quantitative (SQ)	4		
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	
BIO 201: Human Anatomy and Physiology I (SG)	4	C	
PSY 101: Introduction to Psychology (SB)	3	C	
Interdisciplinary Requirement	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	13		

Term 4 46 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CDE 232: Human Development (SB)	3	C	
BIO 202: Human Anatomy and Physiology II (SG)	4	C	
Global Awareness (G)	3		
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 62 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PRM 364: Foundations of Therapeutic Recreation (SB)	3	C	
CRD 301: Sustainable Communities	3	C	
PRM 303: Program Planning	3	C	
PRM 304: Recreation Planning and Facility Development (L)	3	C	
PRM 400: Intervention Techniques in Recreation Therapy	3	C	
Term hours subtotal:	15		

Term 6 77 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PRM 406: Program Design and Evaluation in Therapeutic Recreation	3	C	
CRD 302: Inclusive Community Development (C)	3	C	
PRM 401: Management of Parks and Recreation Services	3	C	
PRM 460: Assessment and Documentation in Therapeutic Recreation	3	C	
PSY 366: Abnormal Psychology (SB)	3	C	
Term hours subtotal:	15		

Term 7 92 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PRM 413: Leadership and Professional Development in Therapeutic Recreation	3	C	
PRM 402: Assessment and Evaluation of Community Services	3	C	
PRM-TR Elective	3	C	
Interdisciplinary Requirement	3		
Complete 2 courses: Upper Division Elective	5		
Term hours subtotal:	17		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PRM 463: Senior Internship	12	C	
Term hours subtotal:	12		

- For the COPP Interdisciplinary Requirement:

- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take three courses from at least two different groups.

COPP Interdisciplinary Requirement-Area 1

CRJ 100: Introduction to Criminal Justice (SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology (SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

NLM 160: Voluntary Action and Community Leadership (SB)

TDM 205: Introduction to Travel and Tourism (G)

TDM 458: International Tourism (G)

COPP Interdisciplinary Requirement-Area 2

PAF 200: Public Service and Policy in the 21st Century

PAF 201: Economics and Public Policy (SB)

PAF 311: Leadership and Change (SB)

PAF 410: Building Leadership Skills (SB)

URB 240: Urban Policy (C)

COPP Interdisciplinary Requirement-Area 3

SWU 171: Introduction to Social Work (SB & H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Arizona and National Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social Issues Perspectives

SWU 250: Stress Management Tools (SB)

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay Bisexual, Transgender, and Queer Issues

PRM-TR Electives (Choose one course)

CDE 450: Child Dysfunction in the Family

NLM 300: Fund Raising and Resource Development

NLM 310: Volunteer Management

PRM 335: Sports and Recreation for Youth Development

PRM 380: Wilderness and Parks in America (SB & H)

PRM 384: Child Life Practicum

PRM 450: Leisure and Aging

PRM 454: Human Services for At-Risk Youth

PRM 455: Play in Child Life

PRM 484: Internship

PRM 494: Special Topics

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Public Service and Public Policy, BS

College of Public Programs

Downtown Phoenix campus

PPPAFBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU 101 is for ASU freshman students only and is not required for transfer students
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Global Awareness (G)	3		
Complete 2 courses: COPP Interdisciplinary Requirement	6		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	
COM 225: Public Speaking (L)	3	C	
COPP Interdisciplinary Requirement	3		
POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	
PAF 301: Applied Statistics (CS)	3	C	
Concentration Course	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	
PAF 302: Public Service Research Methods	3	C	
Upper Division Concentration Course	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	
PAF 484: Internship	3	Y	
Upper Division Concentration Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
PAF 484: Internship OR Upper Division Elective	3		
Upper Division Concentration Elective	3	C	

- For the COPP Interdisciplinary Requirement:
 - Students can choose courses from any of the three Interdisciplinary areas/track groups.
 - To meet the requirement, students must take three courses from at least two different groups.
- Please choose one of the following concentration areas; students must select classes from the same area.

Public Policy Concentration Courses

PAF 470: Topics in Public Economics and Financial Management

PAF 471: Public Policy Analysis

URB 240: Urban Policy (C)

Public Leadership & Management Concentration Courses

PAF 300: Public Management and Administration

PAF 410: Building Leadership Skills (SB)

PAF 420: Public Leadership

Urban Studies Concentration Courses

URB 220: Introduction to Urban America

URB 300: Urban and Metropolitan Studies

URB 305: Urban Governance

Upper Division Concentration Elective (Public Policy)

CRJ Upper Division Elective

ECN Upper Division Elective

JUS Upper Division Elective

NLM Upper Division Elective

POS Upper Division Elective

PRM Upper Division Elective

SWU Upper Division Elective

TDM Upper Division Elective

Upper Division Concentration Elective (Public Leadership & Management)

COM Upper Division Elective

HST Upper Division Elective

MGT Upper Division Elective

NLM Upper Division Elective

POS Upper Division Elective

PSY Upper Division Elective

Upper Division Concentration Elective
(Urban Studies)

GCU Upper Division Elective

GPH Upper Division Elective

PUP Upper Division Elective

SOC Upper Division Elective

SOS Upper Division Elective

URB Upper Division Elective

COPP Interdisciplinary Requirement-Area
1

CRJ 100: Introduction to Criminal Justice
(SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology
(SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the
Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

COPP Interdisciplinary Requirement-Area
2

SWU 171: Introduction to Social Work
(SB & H)

SWU 180: Introduction to Lesbian, Gay,
Bisexual and Transgender (LGBT)
Studies (SB & C)

SWU 181: Economics: A Social Issues
Perspective

SWU 182: Arizona and National
Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social
Issues Perspectives

SWU 250: Stress Management Tools (SB)

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping
Professions

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay Bisexual,
Transgender, and Queer Issues

COPP Interdisciplinary Requirement-Area
3

NLM 160: Voluntary Action and
Community Leadership (SB)

PRM 120: Leisure and the Quality of Life
(SB)

PRM 364: Foundations of Therapeutic Recreation (SB)

PRM 380: Wilderness and Parks in America (SB & H)

TDM 205: Introduction to Travel and Tourism (G)

TDM 458: International Tourism (G)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Public Service and Public Policy (American Indian Studies), BS

College of Public Programs

Downtown Phoenix campus

PPPAFAISBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement into Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Complete 2 courses: COPP Interdisciplinary Requirement	6		
Global Awareness (G)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	
AIS 180: Introduction to American Indian Studies (C)	3	C	
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MAT) requirement.			
Term hours subtotal:	16		

Minimum

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	
AIS 280: American Indian Sovereignty and the Courts (H & C)	3	C	
AIS 285: Federal Indian Policy (H & C)	3	C	
COM 225: Public Speaking (L)	3	C	
COPP Interdisciplinary Requirement	3		
Term hours subtotal:	15		
Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	
PAF 301: Applied Statistics (CS)	3	C	
POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		
Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	
AIS 470: Tribal Governance OR AIS Upper Division Elective	3	C	
PAF 302: Public Service Research Methods	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		
Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	
PAF 484: Internship	3	Y	
Complete 3 courses: Upper Division Elective	9		
Term hours subtotal:	15		
Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
PAF 484: Internship OR Upper Division Elective	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		

- For the COPP Interdisciplinary Requirement:
 - Students can choose courses from any of the three Interdisciplinary areas/track groups.
 - To meet the requirement, students must take three courses from at least two different groups.

COPP Interdisciplinary Requirement-Area 1

CRJ 100: Introduction to Criminal Justice (SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology (SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

COPP Interdisciplinary Requirement-Area 2

NLM 160: Voluntary Action and Community Leadership (SB)

PRM 120: Leisure and the Quality of Life (SB)

PRM 364: Foundations of Therapeutic Recreation (SB)

PRM 380: Wilderness and Parks in America (SB & H)

TDM 205: Introduction to Travel and Tourism (G)

TDM 458: International Tourism (G)

COPP Interdisciplinary Requirement-Area 3

SWU 171: Introduction to Social Work (SB & H)

SWU 250: Stress Management Tools (SB)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Arizona and National Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social Issues Perspectives

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Public Service and Public Policy (Business), BS

College of Public Programs
Downtown Phoenix campus
PPPAFBUBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Complete 2 courses: COPP Interdisciplinary Requirement	6		
Global Awareness (G)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Elective	3		
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MAT) requirement.			
Term hours subtotal:	16		

Minimum

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	
COM 225: Public Speaking (L)	3	C	
POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
COPP Interdisciplinary Requirement	3		
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	
PAF 301: Applied Statistics (CS)	3	C	
MGT 380: Management and Strategy for Nonmajors	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	
ACC 382: Accounting and Financial Analysis	3	C	
FIN 380: Personal Financial Management	3	C	
PAF 302: Public Service Research Methods	3	C	
Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	
MKT 390: Essentials of Marketing OR MKT 395: Essentials of Advertising and Marketing Communication	3	C	
PAF 484: Internship	3	Y	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
PAF 484: Internship OR Upper Division Elective	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		

- For the COPP Interdisciplinary Requirement:
 - Students can choose courses from any of the three Interdisciplinary areas/track groups.
 - To meet the requirement, students must take three courses from at least two different groups.

COPP Interdisciplinary Requirement-Area 1

CRJ 100: Introduction to Criminal Justice (SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology (SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

COPP Interdisciplinary Requirement-Area 3

SWU 171: Introduction to Social Work (SB & H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Arizona and National Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social Issues Perspectives

SWU 250: Stress Management Tools (SB)

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay Bisexual, Transgender, and Queer Issues

COPP Interdisciplinary Requirement-Area 2

NLM 160: Voluntary Action and Community Leadership (SB)

PRM 120: Leisure and the Quality of Life (SB)

PRM 364: Foundations of Therapeutic Recreation (SB)

PRM 380: Wilderness and Parks in
America (SB & H)

TDM 205: Introduction to Travel and
Tourism (G)

TDM 458: International Tourism (G)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Public Service and Public Policy (Criminology), BS

College of Public Programs

Downtown Phoenix campus

PPPAFCBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU 101 is for ASU freshman students only and is not required for transfer students
ASU 101-CPP: The ASU Experience	1		
CRJ 100: Introduction to Criminal Justice (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
COPP Interdisciplinary Requirement	3		
Global Awareness (G)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MAT) requirement.			

Term hours subtotal: 16

Term 4 49 - 63 Credit Hours Critical course signified by ⚠	Hours	Minimum Grade	Notes
⚠ PAF 201: Economics and Public Policy (SB)	3	C	
COM 225: Public Speaking (L)	3	C	
COPP Interdisciplinary Requirement	3		
POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 311: Leadership and Change (SB)	3	C	
CRJ 201: Criminal Justice Crime Control Policies and Practices	3	C	
PAF 301: Applied Statistics (CS)	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 340: Contemporary Policy Challenges	3	C	
CRJ 305: Gender, Crime, and Criminal Justice (C) OR CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) OR CRJ 408: Drugs and Crime OR CRJ 443: Community Corrections	3	C	
PAF 302: Public Service Research Methods	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 460: Public Service Ethics	3	C	
PAF 484: Internship	3	Y	
CRJ 305: Gender, Crime, and Criminal Justice (C) OR CRJ 306: Race, Ethnicity, Crime, and Criminal Justice (C) OR CRJ 408: Drugs and Crime OR CRJ 443: Community Corrections	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PAF 400: Senior Capstone Project	3	C	

PAF 484: Internship OR Upper Division Elective	3
Complete 2 courses: Upper Division Elective	6
Term hours subtotal:	12

• For the COPP Interdisciplinary Requirement:

- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

COPP Interdisciplinary Requirement-Area
1

CRJ 100: Introduction to Criminal Justice
(SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology
(SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the
Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

COPP Interdisciplinary Requirement-Area
2

SWU 171: Introduction to Social Work
(SB & H)

SWU 180: Introduction to Lesbian, Gay,
Bisexual and Transgender (LGBT)
Studies (SB & C)

SWU 181: Economics: A Social Issues
Perspective

SWU 182: Arizona and National
Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social
Issues Perspectives

SWU 250: Stress Management Tools (SB)

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping
Professions

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay Bisexual,
Transgender, and Queer Issues

COPP Interdisciplinary Requirement-Area
3

NLM 160: Voluntary Action and
Community Leadership (SB)

PRM 120: Leisure and the Quality of Life
(SB)

PRM 364: Foundations of Therapeutic
Recreation (SB)

PRM 380: Wilderness and Parks in
America (SB & H)

TDM 205: Introduction to Travel and
Tourism (G)

TDM 458: International Tourism (G)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Public Service and Public Policy (Emergency Management and Homeland Security), BS
College of Public Programs

Downtown Phoenix campus

PPPAFEHBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU 101 is for ASU freshman students only and is not required for transfer students
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
CRJ 100: Introduction to Criminal Justice (SB)	3	C	
COPP Interdisciplinary Requirement	3		
Global Awareness (G)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
COPP Interdisciplinary Requirement	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	
COM 225: Public Speaking (L)	3	C	
CRJ 201: Criminal Justice Crime Control Policies and Practices	3	C	
Cultural Diversity in the U.S. (C)	3		
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	
PAF 301: Applied Statistics (CS)	3	C	
PAF 360: Introduction to Emergency Management	3	C	
PAF 461: Homeland Security	3	C	
Elective	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	For Concentration courses, students must select three courses from the concentration area.
PAF 302: Public Service Research Methods OR PAF 363: Computer Applications in Emergency Management	3	C	
Upper Division Emergency Management & Homeland Security Concentration Course	3	C	
Complete 2 courses: Elective	6		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	
PAF 484: Internship	3	Y	
Upper Division Emergency Management & Homeland Security Concentration Course	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
Upper Division Emergency Management & Homeland Security Concentration Course	3	C	
Complete 2 courses:			

- For the COPP Interdisciplinary Requirement:
 - Students can choose courses from any of the three Interdisciplinary areas/track groups.
 - To meet the requirement, students must take two courses from at least two different groups.

- For Emergency Management & Homeland Security Concentration courses, students must select three courses from the concentration area.

COPP Interdisciplinary Requirement-Area 1

CRJ 100: Introduction to Criminal Justice (SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology (SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

COPP Interdisciplinary Requirement-Area 2

SWU 171: Introduction to Social Work (SB & H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Arizona and National Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social Issues Perspectives

SWU 250: Stress Management Tools (SB)

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay Bisexual, Transgender, and Queer Issues

COPP Interdisciplinary Requirement-Area 3

NLM 160: Voluntary Action and Community Leadership (SB)

PRM 120: Leisure and the Quality of Life (SB)

PRM 364: Foundations of Therapeutic Recreation (SB)

PRM 380: Wilderness and Parks in America (SB & H)

TDM 205: Introduction to Travel and Tourism (G)

TDM 458: International Tourism (G)

Emergency Management & Homeland Security Concentration

PAF 425: National Incident Management System (NIMS)

PAF 468: Simulation and Exercising

CRJ 403: Victims and the Criminal Justice System

CRJ 409: Police Accountability

CRJ 412: International Terrorism

CRJ 417: Cyber Terrorism

CRJ 419: Domestic Terrorism

CRJ 422: Violence in America

CRJ 450: Crime Analysis

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Public Service and Public Policy (Health Policy), BS

College of Public Programs

Downtown Phoenix campus

PPPAFHPBS

Term 1	0 - 16 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	SOC 101: Introductory Sociology (SB)		3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Mathematics Placement Test score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
	ASU 101-CPP: The ASU Experience		1		
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
	Complete 2 courses: COPP Interdisciplinary Requirement		6		
	Global Awareness (G)		3		
	Milestone: Meet with an academic advisor				
	Term hours subtotal:		16		
Term 2	17 - 32 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	POS 110: Government and Politics (SB)		3	C	
	ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition		3	C	
	MAT 142: College Mathematics (MA)		3	C	
	Humanities, Arts and Design (HU)		3		
	Natural Science - Quantitative (SQ)		4		
	Complete ENG 101 OR ENG 105 OR ENG 107 course(s).				
	Term hours subtotal:		16		
Term 3	33 - 48 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	PAF 200: Public Service and Policy in the 21st Century		3	C	
	ENG 216: Persuasive Writing on Public Issues (L)		3	C	
	Historical Awareness (H)		3		
	Humanities, Arts and Design (HU)		3		
	Natural Science - General (SG) OR Natural Science - Quantitative (SQ)		4		
	Complete Mathematics (MA) requirement.				
	Term hours subtotal:		16		
Minimum					

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	
COM 225: Public Speaking (L)	3	C	
COPP Interdisciplinary Requirement	3		
POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	
HSC 210: Cultural Aspects of Health (C)	3	C	
PAF 301: Applied Statistics (CS)	3	C	
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	
HSC 300: Complementary Healthcare	3	C	
PAF 302: Public Service Research Methods	3	C	
Health Policy Concentration Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	
PAF 484: Internship	3	Y	
Upper Division Health Policy Concentration Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
PAF 484: Internship OR Upper Division Elective	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		

- For the COPP Interdisciplinary Requirement:
 - Students can choose courses from any of the three Interdisciplinary areas/track groups.
 - To meet the requirement, students must take three courses from at least two different groups.

COPP Interdisciplinary Requirement-Area 1

CRJ 100: Introduction to Criminal Justice (SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology (SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

COPP Interdisciplinary Requirement-Area 2

NLM 160: Voluntary Action and Community Leadership (SB)

PRM 120: Leisure and the Quality of Life (SB)

PRM 364: Foundations of Therapeutic Recreation (SB)

PRM 380: Wilderness and Parks in America (SB & H)

TDM 205: Introduction to Travel and Tourism (G)

TDM 458: International Tourism (G)

COPP Interdisciplinary Requirement-Area 3

SWU 171: Introduction to Social Work (SB & H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Arizona and National Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social Issues Perspectives

SWU 250: Stress Management Tools (SB)

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay Bisexual, Transgender, and Queer Issues

Health Policy Concentration Electives

HSC 330: Healthcare Systems in the U.S.

HSC 332: Healthcare Legislation

HSC 432: Legal Issues in Healthcare

SSH 100: Introduction to Global Health (SB & G)

SSH 400: Poverty, Social Justice, and Global Health ((L or SB) & G)

SSH 403: Cross-Cultural Studies in Global Health ((L or SB) & G)

SSH 414: Urban and Environmental Health (SB)

TCL 327: Health and Migration (SB)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Public Service and Public Policy (Law and Policy), BS

College of Public Programs

Downtown Phoenix campus

PPPAFLPBS

Term 1 0 - 13 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101-CPP: The ASU Experience	1		
CRJ 100: Introduction to Criminal Justice (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
COPP Interdisciplinary Requirement	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	13		
Term 2 14 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 30 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Elective	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Minimum			

Term 4 46 - 60 Credit Hours Critical course signified by 	Hours	Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	
COM 225: Public Speaking (L)	3	C	
CRJ 201: Criminal Justice Crime Control Policies and Practices	3	C	
URB 240: Urban Policy (C) OR Cultural Diversity in the U.S. (C)	3		
COPP Interdisciplinary Requirement	3		
Term hours subtotal:	15		
Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	
LAW 210: Law, Culture and Community	3	C	
PAF 301: Applied Statistics (CS)	3	C	
POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		
Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	
PAF 302: Public Service Research Methods	3	C	
Upper Division Law & Policy Concentration Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		
Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	
PAF 484: Internship	3	Y	
Complete 2 courses: Upper Division Law & Policy Concentration Elective	6	C	
Upper Division Elective	3		
Term hours subtotal:	15		
Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
PAF 484: Internship OR Upper Division Elective	6		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	15		

- For the COPP Interdisciplinary Requirement:

- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

COPP Interdisciplinary Requirement-Area 1

CRJ 100: Introduction to Criminal Justice (SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology (SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

COPP Interdisciplinary Requirement-Area 2

NLM 160: Voluntary Action and Community Leadership (SB)

PRM 120: Leisure and the Quality of Life (SB)

PRM 364: Foundations of Therapeutic Recreation (SB)

PRM 380: Wilderness and Parks in America (SB & H)

TDM 205: Introduction to Travel and Tourism (G)

TDM 458: International Tourism (G)

COPP Interdisciplinary Requirement-Area 3

SWU 171: Introduction to Social Work (SB & H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Arizona and National Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social Issues Perspectives

SWU 250: Stress Management Tools (SB)

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay Bisexual, Transgender, and Queer Issues

Law & Policy Concentration Electives

CRJ 350: Law and Social Control (SB)

CRJ 410: Procedural Criminal Law

CRJ 470: Discretionary Justice (L or SB)

LAW 310: The Global Legal Community

LAW 316: Introduction to Corporate Tax Law and Policy

LAW 322: Consumer Protection Law

LAW 394: Regulatory Policy in American Business

LAW 480: Business, Law and Society

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Public Service and Public Policy (Nonprofit Leadership and Management), BS

College of Public Programs

Downtown Phoenix campus

PPPANLMBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU 101 is for ASU freshman students only and is not required for transfer students
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
NLM 160: Voluntary Action and Community Leadership (SB)	3	C	
COPP Interdisciplinary Requirement	3		
Global Awareness (G)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	
COM 225: Public Speaking (L)	3	C	
COPP Interdisciplinary Requirement	3		
POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Minimum 2.00 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	
NLM 210: Community Services and Professions	3	C	
NLM 220: Introduction to Nonprofit Organizations	3	C	
PAF 301: Applied Statistics (CS)	3	C	
Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	
NLM 300: Fund Raising and Resource Development	3	C	
PAF 302: Public Service Research Methods	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	
PAF 484: Internship	3	Y	
NLM 430: Managing Nonprofit Organizations (L) OR NLM 310: Volunteer Management OR NLM 410: Social Entrepreneurship	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	

PAF 484: Internship OR Upper Division Elective	3

Complete 2 courses: Upper Division Elective	6

Term hours subtotal:	12

• For the COPP Interdisciplinary Requirement:

- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

COPP Interdisciplinary Requirement-Area
1

CRJ 100: Introduction to Criminal Justice
(SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology
(SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the
Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

COPP Interdisciplinary Requirement-Area
2

SWU 171: Introduction to Social Work
(SB & H)

SWU 180: Introduction to Lesbian, Gay,
Bisexual and Transgender (LGBT)
Studies (SB & C)

SWU 181: Economics: A Social Issues
Perspective

SWU 182: Arizona and National
Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social
Issues Perspectives

SWU 250: Stress Management Tools (SB)

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping
Professions

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay Bisexual,
Transgender, and Queer Issues

COPP Interdisciplinary Requirement-Area
3

NLM 160: Voluntary Action and
Community Leadership (SB)

PRM 120: Leisure and the Quality of Life
(SB)

PRM 364: Foundations of Therapeutic
Recreation (SB)

PRM 380: Wilderness and Parks in
America (SB & H)

TDM 205: Introduction to Travel and
Tourism (G)

TDM 458: International Tourism (G)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative
Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Public Service and Public Policy (Parks and Recreation Management), BS

College of Public Programs

Downtown Phoenix campus

PPPAPRMBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU 101 is for ASU freshman students only and is not required for transfer students
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
PRM 120: Leisure and the Quality of Life (SB)	3	C	
COPP Interdisciplinary Requirement	3		
Global Awareness (G)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	
COM 225: Public Speaking (L)	3	C	
COPP Interdisciplinary Requirement	3		
POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	
PAF 301: Applied Statistics (CS)	3	C	
PRM 303: Program Planning	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	
PAF 302: Public Service Research Methods	3	C	
PRM 315: Community Recreation Systems OR PRM 370: Public Lands Management OR PRM 380: Wilderness and Parks in America (SB & H) OR PRM 486: Special Events Management	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	
PAF 484: Internship	3	Y	
PRM 315: Community Recreation Systems OR PRM 370: Public Lands Management OR PRM 380: Wilderness and Parks in America (SB & H) OR PRM 486: Special Events Management	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Elective	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	

PAF 484: Internship OR Upper Division Elective	3
Complete 2 courses: Upper Division Elective	6
Term hours subtotal:	12

• For the COPP Interdisciplinary Requirement:

- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

COPP Interdisciplinary Requirement-Area
1

CRJ 100: Introduction to Criminal Justice
(SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology
(SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the
Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

COPP Interdisciplinary Requirement-Area
2

SWU 171: Introduction to Social Work
(SB & H)

SWU 180: Introduction to Lesbian, Gay,
Bisexual and Transgender (LGBT)
Studies (SB & C)

SWU 181: Economics: A Social Issues
Perspective

SWU 182: Arizona and National
Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social
Issues Perspectives

SWU 250: Stress Management Tools (SB)

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping
Professions

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay Bisexual,
Transgender, and Queer Issues

COPP Interdisciplinary Requirement-Area
3

NLM 160: Voluntary Action and
Community Leadership (SB)

PRM 120: Leisure and the Quality of Life
(SB)

PRM 364: Foundations of Therapeutic
Recreation (SB)

PRM 380: Wilderness and Parks in
America (SB & H)

TDM 205: Introduction to Travel and
Tourism (G)

TDM 458: International Tourism (G)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Public Service and Public Policy (Science and Technology Policy), BS

College of Public Programs
Downtown Phoenix campus
PPPAFSTBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam Score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Complete 2 courses: COPP Interdisciplinary Requirement	6		
Global Awareness (G)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MAT) requirement.			
Term hours subtotal:	16		

Minimum

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	
COM 225: Public Speaking (L)	3	C	
COPP Interdisciplinary Requirement	3		
POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	
PAF 301: Applied Statistics (CS)	3	C	
PAF 350: Introduction to Science & Technology Policy	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	
PAF 302: Public Service Research Methods	3	C	
<i>Complete 2 courses:</i> Upper Division Science & Technology Concentration Elective	6	C	
Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	
PAF 484: Internship	3	Y	
Upper Division Science & Technology Concentration Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
PAF 484: Internship OR Upper Division Elective	3		
<i>Complete 2 courses:</i> Upper Division Elective	6		
Term hours subtotal:	12		

- For the COPP Interdisciplinary Requirement:

- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take three courses from at least two different groups.

COPP Interdisciplinary Requirement-Area 1

CRJ 100: Introduction to Criminal Justice (SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology (SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

COPP Interdisciplinary Requirement-Area 2

NLM 160: Voluntary Action and Community Leadership (SB)

PRM 120: Leisure and the Quality of Life (SB)

PRM 364: Foundations of Therapeutic Recreation (SB)

PRM 380: Wilderness and Parks in America (SB & H)

TDM 205: Introduction to Travel and Tourism (G)

TDM 458: International Tourism (G)

COPP Interdisciplinary Requirement-Area 3

SWU 171: Introduction to Social Work (SB & H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Arizona and National Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social Issues Perspectives

SWU 250: Stress Management Tools (SB)

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay Bisexual, Transgender, and Queer Issues

Science & Technology Concentration Electives

ASB 394: Technology and Society

BIO 312: Bioethics (HU)

BIO 494: Advanced Bioethics: At the Beginning & End of Life

BIO 494: Advanced Bioethics: Feminist Perspectives

GPH 314: Global Change (HU & G)

JUS 494: Science, Technology, & Inequality

PHL 385: Technological Catastrophes

PHL 480: Technology, Ethics, and Society

POS 300: Contemporary Global Controversies (SB & G)

POS 364: National Security, Intelligence, and Terrorism (SB)

POS 394: Global Environmental Politics

POS 394: Technology and International Politics

POS 494: Tech/Dev in Sub-Saharan Africa

POS 494: Technology & Development in the European Union

POS 494: Technology & Development in the Middle East

POS 494: Technology and Development in Latin America

POS 494: Technology and Development in North Africa

POS 494: Technology and Development in Zones of Conflict

POS 494: Technology, Industry & Management in China

STS 318: Science, Technology, and Government (SB)

STS 325: Science, Technology, and Public Policy (SB)

WST 340: Gender, Science, and Technology (SB)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

Total Community College Hrs: 64
maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Public Service and Public Policy (Social Services Delivery), BS

College of Public Programs
Downtown Phoenix campus
PPPAFSSBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU 101 is for ASU freshman students only and is not required for transfer students
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SWU 171: Introduction to Social Work (SB & H)	3	C	
COPP Interdisciplinary Requirement	3		
Global Awareness (G)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	
COM 225: Public Speaking (L)	3	C	
SWU 291: Social Service Delivery Systems	3	C	
COPP Interdisciplinary Requirement	3		
POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	
PAF 301: Applied Statistics (CS)	3	C	
SWU 295: Foundations of Social Work Practice (SB & C)	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	
PAF 302: Public Service Research Methods	3	C	
SWU 303: Micro Human Behavior and the Social Environment (L or SB)	3	C	
Upper Division Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	
PAF 484: Internship	3	Y	
SWU 310: Social Work Practice I	3	C	
SWU 374: Diversity and Oppression in a Social Work Context (C)	3	C	
Upper Division Elective	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
PAF 484: Internship OR Upper Division Elective	3		
SWU 332: Social Policy and Services	3	C	

- For the COPP Interdisciplinary Requirement:

- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take two courses from at least two different groups.

COPP Interdisciplinary Requirement-Area 2

SWU 171: Introduction to Social Work (SB & H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Arizona and National Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social Issues Perspectives

SWU 250: Stress Management Tools (SB)

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay Bisexual, Transgender, and Queer Issues

COPP Interdisciplinary Requirement-Area 1

CRJ 100: Introduction to Criminal Justice (SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology (SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

COPP Interdisciplinary Requirement-Area 3

NLM 160: Voluntary Action and Community Leadership (SB)

PRM 120: Leisure and the Quality of Life (SB)

PRM 364: Foundations of Therapeutic Recreation (SB)

PRM 380: Wilderness and Parks in America (SB & H)

TDM 205: Introduction to Travel and Tourism (G)

TDM 458: International Tourism (G)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Public Service and Public Policy (Sustainability), BS

College of Public Programs

Downtown Phoenix campus

PPPAFSBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SOC 101: Introductory Sociology (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU 101 is for ASU freshman students only and is not required for transfer students
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOS 110: Sustainable World	3	C	
Complete 2 courses: COPP Interdisciplinary Requirement	6		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 POS 110: Government and Politics (SB)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOS 111: Sustainable Cities ((HU or SB) & G)	3	C	
MAT 142: College Mathematics (MA)	3	C	
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 200: Public Service and Policy in the 21st Century	3	C	
ENG 216: Persuasive Writing on Public Issues (L)	3	C	
Historical Awareness (H)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PAF 201: Economics and Public Policy (SB)	3	C	
COM 225: Public Speaking (L)	3	C	
POS OR CRJ OR NLM OR URB OR JUS OR MGT OR SOC OR SWU OR SGS OR SOS OR HST Elective	3	C	
COPP Interdisciplinary Requirement	3		
Cultural Diversity in the U.S. (C)	3		
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 311: Leadership and Change (SB)	3	C	
PAF 301: Applied Statistics (CS)	3	C	
Humanities, Arts and Design (HU)	3		
Elective	6		
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 340: Contemporary Policy Challenges	3	C	
PAF 302: Public Service Research Methods	3	C	
Upper Division Sustainability Concentration Elective	6	C	
Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 460: Public Service Ethics	3	C	
PAF 484: Internship	3	Y	
Upper Division Sustainability Concentration Elective	3	C	
Upper Division Elective	3		
Upper Division Literacy and Critical Inquiry (L)	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PAF 400: Senior Capstone Project	3	C	
PAF 484: Internship OR Upper Division Elective	3		
Complete 2 courses: Upper Division Elective	6		
Term hours subtotal:	12		

- For the COPP Interdisciplinary Requirement:
 - Students can choose courses from any of the three Interdisciplinary areas/track groups.
 - To meet the requirement, students must take three courses from at least two different groups.

COPP Interdisciplinary Requirement-Area 1

CRJ 100: Introduction to Criminal Justice (SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology (SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

COPP Interdisciplinary Requirement-Area 2

SWU 171: Introduction to Social Work (SB & H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Arizona and National Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social Issues Perspectives

SWU 250: Stress Management Tools (SB)

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay Bisexual, Transgender, and Queer Issues

COPP Interdisciplinary Requirement-Area 3

NLM 160: Voluntary Action and Community Leadership (SB)

PRM 120: Leisure and the Quality of Life (SB)

PRM 364: Foundations of Therapeutic Recreation (SB)

PRM 380: Wilderness and Parks in America (SB & H)

TDM 205: Introduction to Travel and Tourism (G)

TDM 458: International Tourism (G)

Sustainability Concentration Electives

SOS 320: Society and Sustainability (L or SB)

SOS 321: Policy and Governance in Sustainable Systems

SOS 322: International Development and Sustainability

SOS 323: Sustainable Urban Dynamics

SOS 324: Sustainable Energy, Materials, and Technology

SOS 325: The Economics of Sustainability

SOS 326: Sustainable Ecosystems

SOS 327: Sustainable Food and Farms

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Social Work, BSW

College of Public Programs
Downtown Phoenix campus
PPSWUSWU

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SWU 171: Introduction to Social Work (SB & H)	3	C	- An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses - ASU Math Placement Exam score determines placement in Mathematics course - ASU 101 or College specific equivalent First Year Seminar required of all freshman students - ASU 101 is for ASU freshman students only and is not required for transfer students
 PSY 101: Introduction to Psychology (SB) OR SOC 101: Introductory Sociology (SB)	3		
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3		
Interdisciplinary Requirement	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 17 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB) or SWU 181: Economics: A Social Issues Perspective OR  PHI 101: Introduction to Philosophy (HU) or PHI 105: Intro to Ethics (HU) or SWU 183: Introductory Ethics: A Social Issues Perspectives OR POS 110: Government and Politics (SB) or SWU 182: Arizona and National Government: A Social Work Perspective	3		By the end of term four, students should have completed the following requirements: 1. either ECN 211 or SWU 181 2. PHI 101 or PHI 105 or SWU 183 3. either POS 110 or SWU 182
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Interdisciplinary Requirement	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR cultural diversity sequence OR elective.	4-3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	13-12		

Term 3 30 - 43 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB) or SWU 181: Economics: A Social Issues Perspective OR  PHI 101: Introduction to Philosophy (HU) or PHI 105: Intro to Ethics (HU) or SWU 183: Introductory Ethics: A Social Issues Perspectives OR POS 110: Government and Politics (SB) or SWU 182: Arizona and National Government: A Social Work Perspective	3		Students must have a 2.75 or higher in the following courses: SWU 171, SWU 291, SWU 295, SWU 303 and SWU 310 in order to

Literacy and Critical Inquiry (L)	3
Natural Science - Quantitative (SQ)	4
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR cultural diversity sequence OR elective.	4-3
 Complete Mathematics (MA) requirement.	
Term hours subtotal:	14-13

advance to 400 level SWU courses.

- By the end of term four, students should have completed the following requirements: 1. either ECN 211 or SWU 181 2. PHI 101 or PHI 105 or SWU 183 3. either POS 110 or SWU 182.

Term 4 44 - 59 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ECN 211: Macroeconomic Principles (SB) or SWU 181: Economics: A Social Issues Perspective OR  PHI 101: Introduction to Philosophy (HU) or  PHI 105: Intro to Ethics (HU) or SWU 183: Introductory Ethics: A Social Issues Perspectives OR POS 110: Government and Politics (SB) or SWU 182: Arizona and National Government: A Social Work Perspective	3		• Students must have a 2.75 or higher in the following courses: SWU 171, SWU 291, SWU 295, SWU 303 and SWU 310 in order to advance to 400 level SWU courses. • By the end of term four, students should have completed the following requirements: 1. either ECN 211 or SWU 181 2. PHI 101 or PHI 105 or SWU 183 3. either POS 110 or SWU 182.
 SWU 291: Social Service Delivery Systems	3	C	
SWU 295: Foundations of Social Work Practice (SB & C)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR cultural diversity sequence OR elective.	4-3		
Term hours subtotal:	16-15		

Term 5 60 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SWU 303: Micro Human Behavior and the Social Environment (L or SB)	3	C	• Students must have a 2.75 or higher in the following courses: SWU 171, SWU 291, SWU 295, SWU 303 and SWU 310 in order to advance to 400 level SWU courses.
SWU 310: Social Work Practice I	3	C	
SWU 320: Research Methods in Social Work	3	C	
SWU 321: Statistics for Social Workers (CS)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR cultural diversity sequence OR elective.	4-3		
Milestone: Successful submission and review of: statement of educational and career goals, two approved letters of reference, and documented completion of 40 hours of human services experience.			
Term hours subtotal:	16-15		

Term 6 76 - 91 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SWU 340: Macro Human Behavior and the Social Environment (SB)	3	C	
SWU 374: Diversity and Oppression in a Social Work Context (C)	3	C	
Interdisciplinary Requirement	3		
Upper Division Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 7 92 - 105 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SWU 410: Social Work Practice II	3	C	
SWU 412: Field Instruction I	3	C	
SWU 413: Field Instruction Seminar	3	C	
SWU 432: Social Policy and Services	3	C	
Elective	2		
Term hours subtotal:	14		

Term 8 106 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SWU 411: Social Work Practice III	3	C	
SWU 302: Human Biology for Social Workers	3		
SWU 414: Field Instruction II	3	C	
SWU 415: Integrative Field Seminar	3	C	
SWU 442: Introduction to Practice with Children and Families in Child Welfare	3	C	
Term hours subtotal:	15		

- For the COPP Interdisciplinary Requirement:
 - Students can choose courses from any of the three Interdisciplinary areas/track groups.
 - To meet the requirement, students must take three courses from at least two different groups.

COPP Interdisciplinary Requirement-Area 1

CRJ 100: Introduction to Criminal Justice (SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology (SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

COPP Interdisciplinary Requirement-Area 2

PAF 200: Public Service and Policy in the 21st Century

PAF 201: Economics and Public Policy (SB)

PAF 311: Leadership and Change (SB)

PAF 410: Building Leadership Skills (SB)

URB 240: Urban Policy (C)

COPP Interdisciplinary Requirement-Area
3

NLM 160: Voluntary Action and
Community Leadership (SB)

PRM 120: Leisure and the Quality of Life
(SB)

PRM 364: Foundations of Therapeutic
Recreation (SB)

PRM 380: Wilderness and Parks in
America (SB & H)

TDM 205: Introduction to Travel and
Tourism (G)

TDM 458: International Tourism (G)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative
Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Tourism Development and Management, BS

College of Public Programs

Downtown Phoenix campus

PPTDMBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PRM 120: Leisure and the Quality of Life (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU 101 is for ASU freshman students only and is not required for transfer students
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT course (MA)	3	C	
Interdisciplinary Requirement	3		
Social-Behavioral Sciences (SB)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TDM 205: Introduction to Travel and Tourism (G)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 COM 225: Public Speaking (L)	3	C	
TDM Related Area	3	C	
Interdisciplinary Requirement	3		
Historical Awareness (H)	3		
Minimum 2.50 GPA ASU Cumulative.			
Elective	3		
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TDM 372: Tourism Planning (L)	3	C	
CRD 301: Sustainable Communities	3	C	
CRD 302: Inclusive Community Development (C)	3	C	
TDM 350: Tourism Marketing	3	C	
TDM Related Area	3	C	
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TDM 458: International Tourism (G)	3	C	
TDM 480: Sustainable Tourism	3	C	
Complete 3 courses: TDM Related Area	9	C	
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CRD 403: Leadership and Professional Development	3	C	
TDM 401: Tourism Management	3	C	
TDM 402: Assessment and Evaluation of Community Services	3	C	
Upper Division TDM Related Area	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TDM 463: Senior Internship	12	C	
Term hours subtotal:	12		

- For the COPP Interdisciplinary Requirement:
 - Students can choose courses from any of the three Interdisciplinary areas/track groups.
 - To meet the requirement, students must take three courses from at least two different groups.

COPP Interdisciplinary Requirement-Area 1

CRJ 100: Introduction to Criminal Justice (SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology (SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

NLM 160: Voluntary Action and Community Leadership (SB)

PRM 120: Leisure and the Quality of Life (SB)

PRM 364: Foundations of Therapeutic Recreation (SB)

PRM 380: Wilderness and Parks in America (SB & H)

COPP Interdisciplinary Requirement-Area 2

PAF 200: Public Service and Policy in the 21st Century

PAF 201: Economics and Public Policy (SB)

PAF 311: Leadership and Change (SB)

PAF 410: Building Leadership Skills (SB)

URB 240: Urban Policy (C)

COPP Interdisciplinary Requirement-Area 3

SWU 171: Introduction to Social Work (SB & H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Arizona and National Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social Issues Perspectives

SWU 250: Stress Management Tools (SB)

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work

TDM Related Area courses

CSM 201: Introduction to Community Sports

CSM 483: Sports Tourism

PAF 410: Building Leadership Skills (SB)

PRM 304: Recreation Planning and Facility Development (L)

PRM 470: Environmental Communication

PRM 475: Entrepreneurial Recreation and Tourism

PRM 486: Special Events Management

TDM 225: Introduction to Resort and Hotel Management

TDM 345: Meeting and Convention Planning

TDM 386: Convention Sales and Management

TDM 415: Tourism Transportation Systems

TDM 448: Heritage and Cultural Tourism

URB 240: Urban Policy (C)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Tourism Development and Management (Resort and Hotel Leadership), BS

College of Public Programs

Downtown Phoenix campus

PPTDMRBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PRM 120: Leisure and the Quality of Life (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU)	3		
MAT course (MA)	3	C	
Social-Behavioral Sciences (SB)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		
Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TDM 205: Introduction to Travel and Tourism (G)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Interdisciplinary Requirement Course	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		
Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	
Interdisciplinary Requirement Course	3		
Computer/Statistics/Quantitative Applications (CS)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		
Minimum			

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Grade	Notes
 COM 225: Public Speaking (L)	3	C	
TDM 225: Introduction to Resort and Hotel Management	3	C	
Interdisciplinary Requirement Course	3		
Historical Awareness (H)	3		
Elective	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15		

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TDM 372: Tourism Planning (L)	3	C	
CRD 301: Sustainable Communities	3	C	
CRD 302: Inclusive Community Development (C)	3	C	
TDM 350: Tourism Marketing	3	C	
Upper Division TDM Elective	3	C	
Term hours subtotal:	15		

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TDM 481: Sustainable Food Management in Tourism	3	C	
PAF 410: Building Leadership Skills (SB)	3	C	
TDM 482: Sustainable Revenue Management	3	C	
Upper Division TDM Elective	3	C	
Elective	3		
Term hours subtotal:	15		

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 CRD 403: Leadership and Professional Development	3	C	
TDM 401: Tourism Management	3	C	
TDM 402: Assessment and Evaluation of Community Services	3	C	
TDM 458: International Tourism (G)	3	C	
TDM 480: Sustainable Tourism	3	C	
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TDM 463: Senior Internship	12	C	
Term hours subtotal:	12		

- For the COPP Interdisciplinary Requirement:
 - Students can choose courses from any of the three Interdisciplinary areas/track groups.
 - To meet the requirement, students must take three courses from at least two different groups.

COPP Interdisciplinary Requirement-Area 1

CRJ 100: Introduction to Criminal Justice (SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology (SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

NLM 160: Voluntary Action and Community Leadership (SB)

PRM 120: Leisure and the Quality of Life (SB)

PRM 364: Foundations of Therapeutic Recreation (SB)

PRM 380: Wilderness and Parks in America (SB & H)

COPP Interdisciplinary Requirement-Area 2

PAF 200: Public Service and Policy in the 21st Century

PAF 201: Economics and Public Policy (SB)

PAF 311: Leadership and Change (SB)

PAF 410: Building Leadership Skills (SB)

URB 240: Urban Policy (C)

COPP Interdisciplinary Requirement-Area 3

SWU 171: Introduction to Social Work (SB & H)

SWU 250: Stress Management Tools (SB)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Arizona and National Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social Issues Perspectives

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay Bisexual, Transgender, and Queer Issues

TDM Electives

LES 305: Business Law and Ethics for Managers

MGT 380: Management and Strategy for Nonmajors

PRM 475: Entrepreneurial Recreation and Tourism

PRM 486: Special Events Management

TDM 345: Meeting and Convention Planning

TDM 386: Convention Sales and Management

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Tourism Development and Management (Sustainable Tourism), BS

College of Public Programs
Downtown Phoenix campus
PPTDMSBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 PRM 120: Leisure and the Quality of Life (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU 101 is for ASU freshman students only and is not required for transfer students
ASU 101-CPP: The ASU Experience	1		
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT course (MA)	3	C	
Interdisciplinary Requirement	3		
Social-Behavioral Sciences (SB)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TDM 205: Introduction to Travel and Tourism (G)	3	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Computer/Statistics/Quantitative Applications (CS)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ)	4		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CRD 210: Community Services and Professions	3	C	
SOS 100: Introduction to Sustainability (G)	3	C	
Interdisciplinary Requirement	3		
Humanities, Arts and Design (HU)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 48 - 63 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 COM 225: Public Speaking (L)	3	C	
TDM Electives	3	C	
Interdisciplinary Requirement	3		
Historical Awareness (H)	3		
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		
Term 5 64 - 78 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TDM 372: Tourism Planning (L)	3	C	
CRD 301: Sustainable Communities	3	C	
CRD 302: Inclusive Community Development (C)	3	C	
SOS 300: Advanced Concepts and Integrated Approaches in Sustainability	3	C	
TDM 350: Tourism Marketing	3	C	
Term hours subtotal:	15		
Term 6 79 - 93 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TDM 481: Sustainable Food Management in Tourism	3	C	
TDM 448: Heritage and Cultural Tourism	3	C	
TDM 458: International Tourism (G)	3	C	
TDM 480: Sustainable Tourism	3	C	
TDM Electives	3	C	
Term hours subtotal:	15		
Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ CRD 403: Leadership and Professional Development	3	C	
TDM 401: Tourism Management	3	C	
TDM 402: Assessment and Evaluation of Community Services	3	C	
Upper Division Social-Behavioral Sciences (SB) OR Upper Division Humanities, Arts and Design (HU)	3		
Elective	3		
Term hours subtotal:	15		
Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TDM 463: Senior Internship	12	C	
Term hours subtotal:	12		

- For the COPP Interdisciplinary Requirement:

- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take three courses from at least two different groups.

COPP Interdisciplinary Requirement-Area 1

CRJ 100: Introduction to Criminal Justice (SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology (SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

NLM 160: Voluntary Action and Community Leadership (SB)

PRM 120: Leisure and the Quality of Life (SB)

PRM 364: Foundations of Therapeutic Recreation (SB)

PRM 380: Wilderness and Parks in America (SB & H)

COPP Interdisciplinary Requirement-Area 2

URB 240: Urban Policy (C)

PAF 410: Building Leadership Skills (SB)

PAF 311: Leadership and Change (SB)

PAF 200: Public Service and Policy in the 21st Century

PAF 201: Economics and Public Policy (SB)

COPP Interdisciplinary Requirement-Area 3

SWU 171: Introduction to Social Work (SB & H)

SWU 250: Stress Management Tools (SB)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Arizona and National Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social
Issues Perspectives

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping
Professions

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay Bisexual,
Transgender, and Queer Issues

TDM Electives

TDM 225: Introduction to Resort and
Hotel Management

TDM 415: Tourism Transportation
Systems

PRM 470: Environmental Communication

PRM 370: Public Lands Management

PRM 475: Entrepreneurial Recreation and
Tourism

TDM 394: Special Topics

TDM 494: Special Topics

CSM 483: Sports Tourism

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Urban and Metropolitan Studies, BA

College of Public Programs
Downtown Phoenix campus
PPURBBA

Term 1 0 - 17 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU 101 is for ASU freshman students only and is not required for transfer students
	ASU 101-CPP: The ASU Experience	1		
	COPP Interdisciplinary Requirement	3		
	Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR URB Elective	4		
	Global Awareness (G)	3		
	Social-Behavioral Sciences (SB)	3		
	Milestone: Meet with an academic advisor			
Term hours subtotal:		17		
Term 2 18 - 33 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	ENG 101: First-Year Composition or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
	COPP Interdisciplinary Requirement	3		
	Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR URB Elective	4		
	Computer/Statistics/Quantitative Applications (CS)	3		
	Humanities, Arts and Design (HU)	3		
	Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
	Term hours subtotal:	16		
Term 3 34 - 49 Credit Hours Critical course signified by 		Hours	Minimum Grade	Notes
	URB 220: Introduction to Urban America	3	C	
	COPP Interdisciplinary Requirement	3		
	Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR URB Elective	4		

MAT 142: College Mathematics (MA)	3
Literacy and Critical Inquiry (L)	3
 Complete Mathematics (MA) requirement.	
Term hours subtotal:	16

Term 4 50 - 66 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 URB 240: Urban Policy (C)	3	C	
Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR URB Elective	4		
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Social-Behavioral Sciences (SB)	3		
Term hours subtotal:	17		

Term 5 67 - 82 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 URB 300: Urban and Metropolitan Studies	3	C	
PAF OR POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM Upper Division Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	16		

Term 6 83 - 94 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 URB 305: Urban Governance	3	C	
URB 301: Urban Research OR PAF 302: Public Service Research Methods	3	C	
Complete 2 courses: PAF OR POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM Upper Division Elective	6	C	
Term hours subtotal:	12		

Term 7 95 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 URB 302: Urban Theory	3	C	
PAF 410: Building Leadership Skills (SB)	3	C	
URB 484: Internship	3	Y	
PAF OR POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM Upper Division Elective	3	C	
Elective	2		
Term hours subtotal:	14		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ URB 400: Senior Professional Seminar OR PAF 400: Senior Capstone Project	3	C	
Complete 2 courses: PAF OR POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM Upper Division Elective	6	C	
Upper Division Elective	3		
Term hours subtotal:	12		

• For the COPP Interdisciplinary Requirement:

- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take three courses from at least two different groups.

COPP Interdisciplinary Requirement-Area 1

SWU 171: Introduction to Social Work (SB & H)

SWU 180: Introduction to Lesbian, Gay, Bisexual and Transgender (LGBT) Studies (SB & C)

SWU 181: Economics: A Social Issues Perspective

SWU 182: Arizona and National Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social Issues Perspectives

SWU 250: Stress Management Tools (SB)

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping Professions

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay Bisexual, Transgender, and Queer Issues

COPP Interdisciplinary Requirement-Area 2

NLM 160: Voluntary Action and Community Leadership (SB)

PRM 120: Leisure and the Quality of Life (SB)

PRM 364: Foundations of Therapeutic Recreation (SB)

PRM 380: Wilderness and Parks in America (SB & H)

TDM 205: Introduction to Travel and Tourism (G)

TDM 458: International Tourism (G)

COPP Interdisciplinary Requirement-Area
3

CRJ 100: Introduction to Criminal Justice
(SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology
(SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the
Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Urban and Metropolitan Studies, BS

College of Public Programs
Downtown Phoenix campus
PPURBBS

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • ASU 101 is for ASU freshman students only and is not required for transfer students
ASU 101-CPP: The ASU Experience	1		
COPP Interdisciplinary Requirement	3		
Global Awareness (G)	3		
Humanities, Arts and Design (HU)	3		
Social-Behavioral Sciences (SB)	3		
Milestone: Meet with an academic advisor			
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
MAT 142: College Mathematics (MA)	3		
Natural Science - Quantitative (SQ)	4		
Complete 2 courses: COPP Interdisciplinary Requirement	6		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 URB 220: Introduction to Urban America	3	C	
Humanities, Arts and Design (HU)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Social-Behavioral Sciences (SB)	3		
Elective	3		
 Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 URB 240: Urban Policy (C)	3	C	
Historical Awareness (H)	3		
Literacy and Critical Inquiry (L)	3		
Complete 2 courses: Elective	6		
 Minimum 2.00 GPA ASU Cumulative.			

Term hours subtotal: 15

Term 5 64 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 URB 300: Urban and Metropolitan Studies	3	C	
PAF 301: Applied Statistics (CS)	3	C	
Complete 2 courses: POS OR PUP OR GPH OR GCU OR MGT OR URB OR PAF OR HST OR SBS OR SOS OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR ASB Elective	6	C	
Upper Division Literacy and Critical Inquiry (L)	3		

Term hours subtotal: 15

Term 6 79 - 93 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 URB 305: Urban Governance	3	C	
URB 301: Urban Research OR PAF 302: Public Service Research Methods	3	C	
POS OR PUP OR GPH OR GCU OR MGT OR URB OR PAF OR HST OR SBS OR SOS OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR ASB Elective	3	C	
URB OR POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR PAF Upper Division Elective	3	C	
Upper Division Elective	3		

Term hours subtotal: 15

Term 7 94 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 URB 302: Urban Theory	3	C	
PAF 410: Building Leadership Skills (SB)	3	C	
URB 484: Internship	3	Y	
Complete 2 courses: URB OR POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR PAF Upper Division Elective	6	C	

Term hours subtotal: 15

Term 8 109 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ URB 400: Senior Professional Seminar OR PAF 400: Senior Capstone Project	3	C
URB 484: Internship OR Upper Division Elective	3	
URB OR POS OR PUP OR GPH OR GCU OR MGT OR HST OR SBS OR SOS OR ASB OR SOC OR WST OR TWC OR COM OR CRJ OR SWU OR NLM OR TDM OR PRM OR PAF Upper Division Elective	3	C
Upper Division Elective	3	
Term hours subtotal:		12

• For the COPP Interdisciplinary Requirement:

- Students can choose courses from any of the three Interdisciplinary areas/track groups.
- To meet the requirement, students must take three courses from at least two different groups.

COPP Interdisciplinary Requirement-Area
1

CRJ 100: Introduction to Criminal Justice
(SB)

CRJ 203: Courts and Sentencing

CRJ 204: Juvenile Justice

CRJ 225: Introduction to Criminology
(SB)

CRJ 260: Substantive Criminal Law

CRJ 270: Community Relations in the
Justice System (SB)

CRJ 461: Domestic Violence

CRJ 462: Gangs

COPP Interdisciplinary Requirement-Area
2

NLM 160: Voluntary Action and
Community Leadership (SB)

PRM 120: Leisure and the Quality of Life
(SB)

PRM 364: Foundations of Therapeutic
Recreation (SB)

PRM 380: Wilderness and Parks in
America (SB & H)

TDM 205: Introduction to Travel and
Tourism (G)

TDM 458: International Tourism (G)

COPP Interdisciplinary Requirement-Area
3

SWU 171: Introduction to Social Work
(SB & H)

SWU 180: Introduction to Lesbian, Gay,
Bisexual and Transgender (LGBT)
Studies (SB & C)

SWU 181: Economics: A Social Issues
Perspective

SWU 182: Arizona and National
Government: A Social Work Perspective

SWU 183: Introductory Ethics: A Social
Issues Perspectives

SWU 250: Stress Management Tools (SB)

SWU 456: Immigrants and Refugees

SWU 458: Behavioral Health Services

SWU 459: Spirituality and the Helping
Professions

SWU 460: Legal Issues in Social Work

SWU 461: Lesbian, Gay Bisexual,
Transgender, and Queer Issues

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Sustainability, BA

School of Sustainability
Tempe campus
SUSUSTBA

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASU 101-SOS: The ASU Experience OR SOS 201: Introduction to ASU and Sustainability	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • SOS 201 required of all Sustainability transfer students
 SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA) or MAT 170: Precalculus (MA)	3	C	
SOS 111: Sustainable Cities ((HU or SB) & G)	3	B-	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS.			
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SOS 110: Sustainable World	3	B-	
STP 226 or ABS 350 or AGB 360 or ECN 221 or GCU 495 or JUS 302 or MAT 351 or POS 401 or PSY 230 or SOC 390 or STP 231 or SWU 321	3	C	
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete SOS 110, SOS 111 course(s).			
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS.			
Term hours subtotal:	16		

Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
SOS 220: Systems Thinking	3	C	
SOS 230: Practical Skills for Sustainability Problem Solving	1	C	

Historical Awareness (H)	3	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C
⚠ Minimum 2.50 GPA ASU Cumulative.		
⚠ Minimum 3.00 GPA in SOS.		

Term hours subtotal: 15

Term 4 46 - 62 Credit Hours Critical course signified by ⚠				
	Hours	Minimum Grade		Notes
⚠ Complete 2 courses: Upper Division Approved Challenge Area/Track Courses	6	C		- Tracks available for BA Students are: Society & Sustainability, Policy and Governance in Sustainable Systems, International Development and Sustainability, and Sustainable Urban Dynamics - More information on BA Tracks can be found here: http://schoolofsustainability.asu.edu/undergraduate/bachelor-of-arts.php - Students may choose any of the Upper Division Challenge Area/Track Courses, but MUST complete at least the course that corresponds with the track they have chosen. (ie if the Society and Sustainability Track is chosen, students should choose SOS 320 and three others)
SOS 231: Careers in Sustainability	1	C		
SOS 310: Equity, Justice and Sustainability	3	C		
Humanities, Arts and Design (HU)	3			
Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	4	C		
⚠ Complete SOS 220 AND SOS 230 AND SOS 231 course(s).				
⚠ Complete Computer/Statistics/Quantitative Applications (CS) course(s).				
⚠ Milestone: Select a track.				
⚠ Minimum 2.50 GPA ASU Cumulative.				
⚠ Minimum 3.00 GPA in SOS.				
Term hours subtotal:				17

Term 5 63 - 78 Credit Hours Necessary course signified by ★				
	Hours	Minimum Grade		Notes
★ Complete 2 courses: Upper Division Approved Challenge Area/Track Courses	6	C		- All students must complete 12 hours of Related Discipline courses, of which, 6 hours must be Upper Division. - A Related Discipline is a concentration outside of Sustainability that augments your Sustainability education. - Many students choose to earn a Minor to fulfill the Related Discipline, although it is not required.
SOS 311: Future Thinking and Strategies	3	C		
Related Discipline Elective	3	C		
Natural Science - Quantitative (SQ)	4			
Minimum 2.50 GPA ASU Cumulative.				
Minimum 3.00 GPA in SOS.				
Term hours subtotal:				16

Term 6 79 - 93 Credit Hours Necessary course				
	Hours	Minimum Grade		Notes

signified by ★

★ Challenge Area/Track Elective Course	3	C
★ Upper Division Challenge Area/Track Elective Course	3	C
Related Discipline Elective	3	C
Cultural Diversity in the U.S. (C)	3	
Literacy and Critical Inquiry (L)	3	
Minimum 2.50 GPA ASU Cumulative.		
Minimum 3.00 GPA in SOS.		

Term hours subtotal: 15

- Approved Challenge Area/Track Electives for each Track can be found here: <http://schoolofsustainability.asu.edu/undergraduate/undergraduate-courses.php#challenge-elective>
- All students must complete 12 hours of Related Discipline courses, of which, 6 hours must be Upper Division.
- A Related Discipline is a concentration outside of Sustainability that augments your Sustainability education
- Many students choose to earn a Minor to fulfill the Related Discipline, although it is not required.

Term 7 94 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOS 484: Capstone: Internship	4	B-	• All students must complete 12 hours of Related Discipline courses, of which, 6 hours must be Upper Division. • A Related Discipline is a concentration outside of Sustainability that augments your Sustainability education. • Many students choose to earn a Minor to fulfill the Related Discipline, although it is not required.
Upper Division Related Discipline Elective	3	C	
Upper Division Literacy and Critical Inquiry (L)	3		
Social-Behavioral Sciences (SB)	3		
Upper Division Elective	2		
Minimum 2.50 GPA ASU Cumulative.			
Minimum 3.00 GPA in SOS.			
Term hours subtotal:	15		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOS 498: Pro-Seminar	3	B-	• All students must complete 12 hours of Related Discipline courses, of which, 6 hours must be Upper Division. • A Related Discipline is a concentration outside of Sustainability that augments your Sustainability education. • Many students choose to earn a Minor to fulfill the Related Discipline, although it is not required.
SOS Upper Division Elective	3	C	
Upper Division Related Discipline Elective	3	C	
Upper Division Humanities, Arts and Design (HU) or Upper Division Social-Behavioral Sciences (SB)	3		
Minimum 2.50 GPA ASU Cumulative.			
Minimum 3.00 GPA in SOS.			
Term hours subtotal:	12		

- Tracks available for BA Students are:
 - Society & Sustainability
 - Policy and Governance in Sustainable Systems
 - International Development and Sustainability
 - Sustainable Urban Dynamics

More information on BA Tracks can be found here: <http://schoolofsustainability.asu.edu/undergraduate/bachelor-of-arts.php>

Students may choose any of the Upper Division Challenge Area/Track Courses, but MUST complete at least the course that corresponds with the track they have chosen. (ie if the Society and Sustainability Track is chosen, students should choose SOS 320 and three others)

Approved Challenge Area/Track Courses

SOS 320: Society and Sustainability (L or SB)

SOS 321: Policy and Governance in Sustainable Systems

SOS 322: International Development and Sustainability

SOS 323: Sustainable Urban Dynamics

SOS 324: Sustainable Energy, Materials, and Technology

SOS 325: The Economics of Sustainability

SOS 326: Sustainable Ecosystems

SOS 327: Sustainable Food and Farms

SOS 328: Sustainability and Enterprise

SOS 465: Sustainable Urbanism

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Sustainability, BS

School of Sustainability

Tempe campus
SUSUSTBS

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ASU 101-SOS: The ASU Experience OR SOS 201: Introduction to ASU and Sustainability	1	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • SOS 201 required of all Sustainability transfer students
 SOS 101: Introduction to Applied Mathematics for the Life and Social Sciences (MA)	3	B-	
SOS 111: Sustainable Cities ((HU or SB) & G)	3	B-	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	C	
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS.			
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
SOS 110: Sustainable World	3	B-	
SOS 211: Calculus and Probability for the Life and Social Sciences	3	B-	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
Second Language: Requirement satisfied through the following: * Completion of language course(s) at the 102 level.	4	C	
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
 Complete SOS 110, SOS 111 course(s).			
 Minimum 2.50 GPA ASU Cumulative.			
 Minimum 3.00 GPA in SOS.			
Term hours subtotal:	16		

Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
SOS 210: Introduction to Mathematical Tools and Modeling for the Life and Social Sciences	3	B-	
SOS 220: Systems Thinking	3	C	
SOS 230: Practical Skills for Sustainability Problem Solving	1	C	

Historical Awareness (H)	3
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4
❗ Minimum 2.50 GPA ASU Cumulative.	
❗ Minimum 3.00 GPA in SOS.	
Term hours subtotal:	14

Term 4 45 - 60 Credit Hours		Hours	Minimum Grade	Notes
Critical course signified by ❗				
❗ Upper Division Approved Challenge Area/Track Courses	6	C		- Tracks available for BS Students are: Sustainable Energy, Materials, and Technology, The Economics of Sustainability, and Ecosystems Sustainability - More information on BS Tracks can be found here: http://schoolofsustainability.asu.edu/undergraduate/bachelor-of-science.php - Students may choose any of the Upper Division Challenge Area/Track Courses, but MUST complete at least the course that corresponds with the track they have chosen. (ie if The Economics of Sustainability Track is chosen, students should choose SOS 325 and three others)
❗ Computer/Statistics/Quantitative Applications (CS)	3			
SOS 231: Careers in Sustainability	1	C		
SOS 310: Equity, Justice and Sustainability	3	C		
Humanities, Arts and Design (HU)	3			
❗ Complete SOS 220 AND SOS 230 AND SOS 231 course(s).				
❗ Milestone: Select a track.				
❗ Minimum 2.50 GPA ASU Cumulative.				
❗ Minimum 3.00 GPA in SOS.				
Term hours subtotal:		16		

Term 5 61 - 76 Credit Hours		Hours	Minimum Grade	Notes
Necessary course signified by ★				
★ Upper Division Approved Challenge Area/Track Courses	6	C		- All students must complete 12 hours of Related Discipline courses, of which, 6 hours must be Upper Division. - A Related Discipline is a concentration outside of Sustainability that augments your Sustainability education. - Many students choose to earn a Minor to fulfill the Related Discipline, although it is not required.
SOS 311: Future Thinking and Strategies	3	C		
Related Discipline Elective	3	C		
Natural Science - Quantitative (SQ)	4			
Minimum 2.50 GPA ASU Cumulative.				
Minimum 3.00 GPA in SOS.				
Term hours subtotal:		16		

Term 6 77 - 91 Credit Hours		Hours	Minimum Grade	Notes
Necessary course signified by ★				
★ Challenge Area/Track Elective Course	3	C		- Approved Challenge Area/Track Electives for each Track can be found here: http://schoolofsustainability.asu.edu/undergraduate/undergraduate-courses.php#challenge-elective - All students must complete 12 hours of Related Discipline courses, of which, 6 hours must be Upper Division.
★ Upper Division Challenge Area/Track Elective Course	3	C		

Related Discipline Elective	3	C
Cultural Diversity in the U.S. (C)	3	
Literacy and Critical Inquiry (L)	3	
Minimum 2.50 GPA ASU Cumulative.		
Minimum 3.00 GPA in SOS.		

Term hours subtotal: 15

- A Related Discipline is a concentration outside of Sustainability that augments your Sustainability education.
- Many students choose to earn a Minor to fulfill the Related Discipline, although it is not required.

Term 7	92 - 105 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOS 484: Capstone: Internship			4	B-	• All students must complete 12 hours of Related Discipline courses, of which, 6 hours must be Upper Division. • A Related Discipline is a concentration outside of Sustainability that augments your Sustainability education. • Many students choose to earn a Minor to fulfill the Related Discipline, although it is not required.
Upper Division Related Discipline Elective			3	C	
Upper Division Literacy and Critical Inquiry (L)			3		
Upper Division Elective			4		
Minimum 2.50 GPA ASU Cumulative.					
Minimum 3.00 GPA in SOS.					
Term hours subtotal:			14		

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SOS 498: Pro-Seminar			3	B-	• All students must complete 12 hours of Related Discipline courses, of which, 6 hours must be Upper Division. • A Related Discipline is a concentration outside of Sustainability that augments your Sustainability education. • Many students choose to earn a Minor to fulfill the Related Discipline, although it is not required.
SOS Upper Division Elective			3	C	
Upper Division Related Discipline Elective			3	C	
Upper Division Humanities, Arts and Design (HU) OR Upper Division Social-Behavioral Sciences (SB)			3		
Social-Behavioral Sciences (SB)			3		
Minimum 2.50 GPA ASU Cumulative.					
Minimum 3.00 GPA in SOS.					
Term hours subtotal:			15		

- Tracks available for BS Students are:
 - Sustainable Energy, Materials, and Technology
 - The Economics of Sustainability
 - Ecosystems Sustainability

More information on BS Tracks can be found here: <http://schoolofsustainability.asu.edu/undergraduate/bachelor-of-science.php>

Students may choose any of the Upper Division Challenge Area/Track Courses, but MUST complete at least the course that corresponds with the track they have chosen. (ie if The Economics of Sustainability Track is chosen, students should choose SOS 325 and three others)

Approved Challenge Area/Track Courses

SOS 320: Society and Sustainability (L or SB)

SOS 321: Policy and Governance in Sustainable Systems

SOS 322: International Development and Sustainability

SOS 323: Sustainable Urban Dynamics

SOS 324: Sustainable Energy, Materials, and Technology

SOS 325: The Economics of Sustainability

SOS 326: Sustainable Ecosystems

SOS 327: Sustainable Food and Farms

SOS 328: Sustainability and Enterprise

SOS 465: Sustainable Urbanism

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 3.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Early Childhood and Early Childhood Special Education, BAE

Mary Lou Fulton Teachers College

Tempe campus
TEECSEBAE

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 MAT 142: College Mathematics (MA)	3	C	
 TEL 101: The Teachers College Experience	1		
GCU 113: United States and Arizona Social Studies (SB & H)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion OR ECD 211: The Developing Child: Theory into Practice, Prenatal-Grade 3 (SB) OR ECD 220: Introduction to Nutrition, Health and Safety OR RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
EDT 180: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Computer Literacy (CS)	3	C	
GCU 114: World Social Studies (SB & G & H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: DPS Fingerprint Clearance Card.			
Term hours subtotal:	16		

Term 3 31 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Complete 2 courses: BLE 220: Foundations of Structured English Immersion OR ECD 211: The Developing Child: Theory into Practice, Prenatal-Grade 3 (SB) OR ECD 220: Introduction to Nutrition, Health and Safety OR RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education of Exceptional Children (SB & C)	5-6	C	
 USL 216: Service Learning: For Educators (L & C)	3	C	

COM 225: Public Speaking (L)	3	
MTE 280: Investigating Quantity: Number, Operations & Numeration Systems	3	C
❗ Milestone: Intent to Progress Online Form.		
Complete Mathematics (MA) requirement.		
Term hours subtotal:	14-15	

Term 4 45 - 60 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i> BLE 220: Foundations of Structured English Immersion OR ECD 211: The Developing Child: Theory into Practice, Prenatal-Grade 3 (SB) OR ECD 220: Introduction to Nutrition, Health and Safety OR RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education of Exceptional Children (SB & C)	6-5	C	• Must complete a minimum of 60 credits including all foundational coursework to progress into iTeachAZ.
❗ MTE 281: Investigating Space: Geometry, Measurement, and Visualization	3	C	
Natural Science - Quantitative (SQ)	4	C	
Art, Dance, Music or Theater course AND Humanities, Arts and Design (HU)	3		
❗ Minimum 2.50 GPA ASU Cumulative.			
❗ Milestone: Must attend an iTeachAZ Enrollment Workshop			
Term hours subtotal:	16-15		

Term 5 61 - 76 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECD 321: Emerging Language and Literacy	3	C	
★ ECD 397: Clinical Experience: Preschool	4	C	
★ ECS 310: Foundations in Typical / Atypical Child Development	3	C	
★ ECS 316: Assessment/Evidence-based Practice	3	C	
★ ECS 312: Social and Emotional Development of the Young Child (SB)	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 77 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECS 315: Classroom Organization and Child Guidance	3	C	
★ ECS 397: Practicum in Inclusive Birth-Age 5 Early Childhood Setting	4	Y	
★ ECS 420: Evaluation and Intervention Strategies for Infants, Toddlers and Preschoolers with Disabilities	3	C	
★ ECS 431: Family, Community & Professional Support Systems	3	C	
Upper Division AME OR ARA OR ARE OR ARS OR ART OR DAH OR DCE OR MTC OR MUE OR MUS OR THE OR THP course (HU)	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Minimum

Term 7 93 - 106 Credit Hours Necessary course signified by ★	Hours	Grade	Notes
★ ECS 478: Student Teaching K-3 Special Education	5	C	ECS 478 will be changing titles effective Fall 2015. The title will be changing from <i>Student Teaching in Inclusive Birth - Age 5 Early Childhood Setting</i> to <i>Student Teaching K-3 Special Education</i>.
★ ECS 412: Mathematics Curriculum, Instruction and Assessment	3	C	
★ ECS 413: Literacy Curriculum, Instruction and Assessment (L)	3	C	
★ ECD 418: Instructional Methods for Young Children: Integrating Digital Media	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		14	

Term 8 107 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ ECS 430: Systems, Policy, and Advocacy in Early Childhood/Special Education	3	C	
★ ECS 411: Instructional Methodologies for Young Children: STEM	3	C	
★ ECD 478: Student Teaching in Early Childhood (K-3)	5	C	
SPE 317: Special Education for Culturally and Linguistically Diverse Children and Youth	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		14	

Art, Dance, Music or Theater course

AME Elective

ARA Elective

ARE Elective

ARS Elective

ART Elective

DAH Elective

DCE Elective

MTC Elective

MUE Elective

THE Elective

THP Elective

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Education Exploratory

Mary Lou Fulton Teachers College

Polytechnic campus, Tempe campus, West campus
TEEDUEXPL

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101: First-Year Composition OR  ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR  ENG 107: First-Year Composition OR  ENG 108: First-Year Composition	3	C	Students who may decide to teach math or science should take appropriate math course in consultation with an advisor.
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 TEL 101: The Teachers College Experience	1		
EDT 180: Problem Solving using Digital Technology Applications (CS)	3	C	
MAT 142: College Mathematics (MA)	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion	3	C	
 ENG 101: First-Year Composition OR  ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR  ENG 107: First-Year Composition OR  ENG 108: First-Year Composition	3	C	
GCU 113: United States and Arizona Social Studies (SB & H)	3		
Natural Science - Quantitative (SQ)	4	C	
RDG 291: Children's Literature (HU)	3	C	
 Milestone: Students must declare a BAE major upon the completion of 30 credits. Please meet with a Teachers College advisor to declare one of the BAE programs.			
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Total Hours: 32
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

Hrs Resident Credit for
Academic Recognition: 56 minimum
Total Community College Hrs: 64
maximum

- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Educational Studies, BAE**

Mary Lou Fulton Teachers College
EDSLSTBAE

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
 MAT 142: College Mathematics (MA)	3		
 TEL 101: The Teachers College Experience	1		
ECD 220: Introduction to Nutrition, Health and Safety	2	C	
TEL 111: Exploration of Education (SB)	3	C	
Elective	3		
Term hours subtotal:	15		
Term 2 16 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Elective	4		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		
Term 3 30 - 44 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TEL 212: Understanding the Culturally Diverse Child (C)	3	C	
BLE 220: Foundations of Structured English Immersion	3	C	
EDT 180: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Mobile Technologies and Your World (CS)	3	C	
Humanities, Arts and Design (HU)	3		
Elective	3		
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		
Term 4 45 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes

 RDG 291: Children's Literature (HU)	3	C
USL 216: Service Learning: For Educators (L & C)	3	C
Global Awareness (G)	3	
Historical Awareness (H)	3	
Natural Science - Quantitative (SQ)	4	
Term hours subtotal:	16	

Term 5 61 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 ECD 312: Social/Emotional Foundations of Learning	3	C	
EDP 310: Career and Professional Development (SB), Children and Poverty (SB), Immigration, Education and the Family (SB), Leadership (SB), Motivation (SB), Motivation and Memory (SB), Multicultural Issues (SB), Understanding the Brain (SB)	3	C	
SPF 301: Culture and Schooling (L)	3	C	
TEL 430: Learning Outside of School	3	C	
Upper Division Educational Studies Elective	3		
Term hours subtotal:	15		

Term 6 76 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 USL 410: Service Learning: Diverse Community Issues (L & C)	3	C	
TEL 315: Child and Adolescent Development (L or SB)	3	C	
TEL 431: Learning in Workplaces	3	C	
Upper Division Educational Studies Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 USL 496: Service Learning Capstone	3	C	
BLE 335: Language Diversity in Classrooms (SB)	3	C	
EDP 313: Childhood and Adolescence (SB)	3	C	
Upper Division Educational Studies Elective	3		
Elective	3		
Term hours subtotal:	15		

Term 8 106 - 120 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 USL 497: Service Learning Capstone Project	3	C	
ECS 430: Systems, Policy, and Advocacy in Early Childhood/Special Education	3	C	
SCN 400: Sustainability Science for Teachers	3	C	
SPE 411: Parent Involvement and Regulatory Issues	3		
Upper Division Educational Studies Elective	3		

Upper Division Educational Studies Electives

ECD 321: Emerging Language and Literacy

ECS 431: Family, Community and Professional Support Systems

EDT 460: Games, Technology and Society

EDT 461: Understanding Games for Impact

EDT 462: Designing Games for Impact

EDT 463: Games for Impact: The Full Life Cycle

EDT 494: Special Topics

EED 309: Environmental Education Project

SCN 300: Foundations of Environmental Education

SCN 301: Ecology and Natural History of the Sonoran Desert

SCN 302: Outdoor Education

SCN 303: Environmental Education Internship

PPE 335: Movement and Physiology Principles of Children and Youth in Physical Activity Environments

PPE 340: Understanding Children in Physical Activity Environments

PPE 345: Adolescents in Physical Activity Environments: Understanding and Practices

PPE 351: Coaching of Children and Adolescents in Physical Activity Environments

TEL 313: Educational Technology in the K-12 Curriculum

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

**2014 - 2015 Major Map
Educational Studies, BAE**

Mary Lou Fulton Teachers College
Online
EDSLSTBAE

Term 1 - A 1 - 7 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 142: College Mathematics (MA)	3		• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students.
ASU 101: The ASU Experience	1	C	
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Term hours subtotal:	7		
Term 1 - B 8 - 15 Credit Hours	Hours	Minimum Grade	Notes
ECD 220: Introduction to Nutrition, Health and Safety	2	C	
TEL 111: Exploration of Education (SB)	3	C	
Elective	3		
Term hours subtotal:	8		
Term 2 - A 16 - 22 Credit Hours	Hours	Minimum Grade	Notes
ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4		
Term hours subtotal:	7		
Term 2 - B 23 - 28 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Elective	3		
 Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	6		
Term 3 - A 29 - 37 Credit Hours	Hours	Minimum Grade	Notes

TEL 212: Understanding the Culturally Diverse Child (C)	3	C
Humanities, Arts and Design (HU)	3	
Elective	3	
Term hours subtotal:	9	

Term 3 - B 38 - 43 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 EDT 180: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Computer Literacy (CS)	3	C	
BLE 220: Foundations of Structured English Immersion	3	C	
Complete Mathematics (MA) requirement.			
Term hours subtotal:	6		

Term 4 - A 44 - 49 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 TEL 200: Introduction to Community Embedded Learning	3	C	
RDG 291: Children's Literature (HU)	3	C	
Term hours subtotal:	6		

Term 4 - B 50 - 59 Credit Hours	Hours	Minimum Grade	Notes
Global Awareness (G)	3		
Historical Awareness (H)	3		
Natural Science - Quantitative (SQ)	4		
Term hours subtotal:	10		

Term 5 - A 60 - 68 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TEL 430: Learning Outside of School	3	C	
ECD 312: Social/Emotional Foundations of Learning	3	C	
SCN 300: Foundations of Environmental Education	3	C	
Term hours subtotal:	9		

Term 5 - B 69 - 75 Credit Hours	Hours	Minimum Grade	Notes
EDP 310: Career and Professional Development (SB), Children and Poverty (SB), Immigration, Education and the Family (SB), Leadership (SB), Motivation (SB), Motivation and Memory (SB), Multicultural Issues (SB), Understanding the Brain (SB)	3	C	
Elective	4		
Term hours subtotal:	7		

Term 6 - A 76 - 81 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 TEL 300: The Community Embedded Experience	3	C	
SPF 301: Culture and Schooling (L)	3	C	
Term hours subtotal:	6		

Term 6 - B 82 - 90 Credit Hours	Hours	Minimum Grade	Notes
EDP 310: Career and Professional Development (SB), Children and Poverty (SB), Immigration, Education and the Family (SB), Leadership (SB), Motivation (SB), Motivation and Memory (SB), Multicultural Issues (SB), Understanding the Brain (SB)	3	C	
TEL 315: Child and Adolescent Development (L or SB)	3	C	
Elective	3		
Term hours subtotal:	9		

Term 7 - A 91 - 99 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TEL 400: Leading and Sustaining Community Embeddedness	3	C	
ECS 430: Systems, Policy, and Advocacy in Early Childhood/Special Education	3	C	
Elective	3		
Term hours subtotal:	9		

Term 7 - B 100 - 105 Credit Hours	Hours	Minimum Grade	Notes
EDT 463: Games for Impact: The Full Life Cycle	3	C	
TEL 431: Learning in Workplaces	3	C	
Term hours subtotal:	6		

Term 8 - A 106 - 111 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ TEL 410: Community Impact	3	C	
SPE 411: Parent Involvement and Regulatory Issues	3	C	
Term hours subtotal:	6		

Term 8 - B 112 - 120 Credit Hours	Hours	Minimum Grade	Notes
EDP 313: Childhood and Adolescence (SB)	3	C	
PPE 335: Movement and Physiology Principles of Children and Youth in Physical Activity Environments	3	C	
SCN 400: Sustainability Science for Teachers	3	C	
Term hours subtotal:	9		

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum

General University Requirements Legend
 General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

 First-Year Composition

Total Community College Hrs: 64
maximum

- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Elementary Education, BAE

Mary Lou Fulton Teachers College

Polytechnic campus, Tempe campus, West campus
TEEEDBAE

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 MAT 142: College Mathematics (MA)	3	C	
 TEL 101: The Teachers College Experience	1		
GCU 113: United States and Arizona Social Studies (SB & H)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion OR RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education of Exceptional Children (SB & C) OR TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
EDT 180: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Mobile Technologies and Your World (CS)	3	C	
GCU 114: World Social Studies (SB & G & H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: DPS Fingerprint Clearance Card.			
Term hours subtotal:	16		

Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion OR RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education of Exceptional Children (SB & C) OR TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
 USL 216: Service Learning: For Educators (L & C)	3	C	
COM 225: Public Speaking (L)	3		
MTE 280: Investigating Quantity: Number, Operations & Numeration Systems	3	C	

Art, Dance, Music or Theater course AND Humanities, Arts and Design (HU)	3
Complete Mathematics (MA) requirement.	
Milestone: Intent to Progress Online Form.	
Term hours subtotal:	15

Term 4 46 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
<i>Complete 2 courses:</i>  BLE 220: Foundations of Structured English Immersion OR  RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education of Exceptional Children (SB & C) OR TEL 215: Introduction to Child and Adolescent Development (SB)	6	C	Must complete at least 60 credits including all foundational coursework to progress into iTeachAZ.
 MTE 281: Investigating Space: Geometry, Measurement, and Visualization	3	C	
 Natural Science - Quantitative (SQ)	4	C	
Art, Dance, Music or Theater course AND Humanities, Arts and Design (HU)	3		
Milestone: Must attend an iTeachAZ Enrollment Workshop			
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 5 62 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BLE 408: SEI for Linguistically Diverse Learners	3	C	
 EDP 311: Educational Psychology for Future Teachers (SB)	3	C	
 EED 396: Clinical Experience I	2	C	
 EED 433: Language Method Management and Assessment	3	C	
 MTE 301: Investigating Change: Patterns, Functions, and Modeling	3	C	
 SPF 301: Culture and Schooling (L)	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 6 79 - 92 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EED 397: Clinical Experience II	2	C	
 EED 411: Science in Elementary Schools	3	C	
 EED 412: Mathematics in Elementary Schools	3	C	
 RDG 322: Language Literacy 1 in Elementary Schools	3	C	
 SCN 400: Sustainability Science for Teachers	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 7 93 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EED 324: Social Studies in Elementary Schools	3	C	

★ EED 478: Student Teaching in the Elementary School	7	C
★ PPE 310: Health Literacy: Creating Healthy and Active Schools (L)	3	C
★ RDG 413: Language Literacy 2 in Elementary Schools	3	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	16	

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EED 478: Student Teaching in the Elementary School	9	C	
★ SPE 416: Quality Practices in the Collaborative Classroom	3	C	
Term hours subtotal:	12		

Art, Dance, Music or Theater course
AME Elective
ARA Elective
ARE Elective
ARS Elective
ART Elective
DAH Elective
DCE Elective
MTC Elective
MUE Elective
THE Elective
THP Elective

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Elementary Education (Bilingual Education and English as a Second Language), BAE

Mary Lou Fulton Teachers College

Polytechnic campus, Tempe campus, West campus
TEDLLBAE

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into First-Year Composition courses • ASU Math Placement Exam score determines placement into Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 MAT 142: College Mathematics (MA)	3	C	
 TEL 101: The Teachers College Experience	1		
GCU 113: United States and Arizona Social Studies (SB & H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
EDT 180: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Mobile Technologies and Your World (CS)	3	C	
GCU 114: World Social Studies (SB & G & H)	3		
Art, Dance, Music or Theater course AND Humanities, Arts and Design (HU)	3	C	
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: DPS Fingerprint Clearance Card.			
Term hours subtotal:	16		

Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Complete 2 courses:  BLE 220: Foundations of Structured English Immersion OR RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education of Exceptional Children (SB & C)	6	C	
 USL 216: Service Learning: For Educators (L & C)	3	C	
COM 225: Public Speaking (L)	3		
MTE 280: Investigating Quantity: Number, Operations & Numeration Systems	3	C	
 Milestone: Submit intent to progress form (online)			

Complete Mathematics (MA) requirement.

Term hours subtotal: 15

Term 4 46 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion OR RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	Must complete a minimum of 60 credits including foundational coursework to progress into iTeachAZ.
 MTE 281: Investigating Space: Geometry, Measurement, and Visualization	3	C	
TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
Art, Dance, Music or Theater course AND Humanities, Arts and Design (HU)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
 Milestone: Must attend an iTeachAZ Enrollment Workshop			
 Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 5 62 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BLE 396: Clinical Experience I	2	C	
 BLE 400: Principles of Language Minority Education	3	C	
 BLE 408: SEI for Linguistically Diverse Learners	3	C	
 EDP 311: Educational Psychology for Future Teachers (SB)	3	C	
 MTE 301: Investigating Change: Patterns, Functions, and Modeling	3	C	
 SCN 400: Sustainability Science for Teachers	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		17	

Term 6 79 - 95 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BLE 397: Clinical Experience II	2	C	
 BLE 322: Reading Methods in BLE/ESL Settings	3	C	
 BLE 412: Mathematics Curriculum, Instruction and Assessment in BLE/ESL Settings	3	C	
 BLE 413: Language Arts in BLE/ESL Settings	3	C	
 BLE 481: Reading Practicum	3	C	
 SPE 416: Quality Practices in the Collaborative Classroom	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		17	

Term 7 96 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BLE 478: Student Teaching in Diverse Language Classrooms	4	C	

★ BLE 324: Social Studies for Diverse Language Classrooms	3	C
★ BLE 335: Language Diversity in Classrooms (SB)	3	C
★ BLE 411: Science Curriculum, Instruction and Assessment in BLE/ESL Settings	3	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		13

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 478: Student Teaching in Diverse Language Classrooms	6	C	
MCE 447: Diversity in Families and Communities in Multicultural Settings	3	C	
PPE 310: Health Literacy: Creating Healthy and Active Schools (L)	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		12	

Art, Dance, Music or Theater course

AME Elective

ARA Elective

ARE Elective

ARS Elective

ART Elective

DAH Elective

DCE Elective

MTC Elective

MUE Elective

THE Elective

THP Elective

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map
Elementary Education (Science, Technology, Engineering and Mathematics), BAE
Mary Lou Fulton Teachers College

 Polytechnic campus
TEESTEMBAE

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 MAT 142: College Mathematics (MA)	3	C	
 TEL 101: The Teachers College Experience	1		
GCU 113: United States and Arizona Social Studies (SB & H)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 BLE 220: Foundations of Structured English Immersion OR RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
EDT 180: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Computer Literacy (CS)	3	C	
GCU 114: World Social Studies (SB & G & H)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: DPS Fingerprint Clearance Card.			
Term hours subtotal:	16		

Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion OR RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	• For MAT Elective OR SG OR SQ, choose either a MAT prefix course or any SQ/SG course to meet highly qualified standards for teacher certification for either math or science.
 USL 216: Service Learning: For Educators (L & C)	3	C	
MTE 280: Investigating Quantity: Number, Operations & Numeration Systems	3	C	
MAT Elective OR Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	3	C	

Art, Dance, Music or Theater course AND Humanities, Arts and Design (HU)	3
Complete Mathematics (MA) requirement.	
Milestone: Intent to Progress Online Form.	
Term hours subtotal:	15

Term 4 46 - 61 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion OR RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	For MAT Elective OR SG OR SQ, choose a math or science course based on which course you chose in term 3 for highly qualified standards for teacher certification. If a math course was taken, another MAT prefix course should be taken. If a science course was taken then another SQ/SG course should be taken. Please see advisor for further details.
 MTE 281: Investigating Space: Geometry, Measurement, and Visualization	3	C	
 Natural Science - Quantitative (SQ)	4	C	
MAT Elective OR Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	3	C	
Elective	3		
Milestone: Must attend an iTeachAZ Enrollment Workshop			
Minimum 2.50 GPA ASU Cumulative.			Must complete at least 60 credits including foundational coursework to progress into iTeachAZ.
Term hours subtotal:	16		

Term 5 62 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BLE 408: SEI for Linguistically Diverse Learners	3	C	
 EDP 311: Educational Psychology for Future Teachers (SB)	3	C	
 EED 433: Language Method Management and Assessment	3	C	
 EED 396: Clinical Experience I	2	C	
 MTE 301: Investigating Change: Patterns, Functions, and Modeling	3	C	
 SPF 301: Culture and Schooling (L)	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 6 79 - 92 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EED 397: Clinical Experience II	2	C	
 MTE 412: Mathematics in Elementary Schools	3	C	
 RDG 322: Language Literacy 1 in Elementary Schools	3	C	
 SCN 400: Sustainability Science for Teachers	3	C	
 SCN 411: Science in Elementary Schools	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EED 324: Social Studies in Elementary Schools	3	C	
★ EED 478: Student Teaching in the Elementary School	7	C	
★ PPE 310: Health Literacy: Creating Healthy and Active Schools (L)	3	C	
★ RDG 413: Language Literacy 2 in Elementary Schools	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EED 478: Student Teaching in the Elementary School	9	C	
★ SPE 416: Quality Practices in the Collaborative Classroom	3	C	
Term hours subtotal:		12	

Art, Dance, Music or Theater course

AME Elective

ARA Elective

ARE Elective

ARS Elective

ART Elective

DAH Elective

DCE Elective

MTC Elective

MUE Elective

THE Elective

THP Elective

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Secondary Education (Biological Sciences), BAE

Mary Lou Fulton Teachers College

Polytechnic campus, Tempe campus, West campus
TEBIOBAE

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 181: General Biology I (SQ) OR BIO 281: Conceptual Approaches to Biology for Majors I	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 170: Precalculus (MA)	3	C	
 TEL 101: The Teachers College Experience	1		
CHM 113: General Chemistry I (SQ)	4	C	
Term hours subtotal:	15		

Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 182: General Biology II (SG) OR BIO 282: Conceptual Approaches to Biology for Majors II	4	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
CHM 116: General Chemistry II (SQ)	4	C	
EDT 180: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Mobile Technologies and Your World (CS)	3	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion	3	C	
HST 109: United States to 1865 ((HU or SB) & H) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3	C	
BIO Elective	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
PHY 101: Introduction to Physics (SQ)	4	C	
 Milestone: Intent to Progress Online Form.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 49 - 60 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 320: Fundamentals of Ecology	3	C	Must complete at least 60 credits including pre-requisite courses to progress into iTeachAZ.
MIC 205: Microbiology (SG) AND MIC 206: Microbiology Laboratory (SG) OR  MIC 220: Biology of Microorganisms AND MIC 206: Microbiology Laboratory (SG) OR BIO 353: Cell Biology AND BIO 354: Cell Biology Laboratory	4	C	
Elective	2		
Social-Behavioral Sciences (SB) OR Humanities, Arts and Design (HU)	3		
 Milestone: Must attend an iTeachAZ Enrollment Workshop			
 Minimum 2.50 GPA ASU Cumulative.			
Milestone: DPS Fingerprint Clearance Card.			
Term hours subtotal:	12		

Term 5 61 - 78 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
BIO 340: General Genetics OR LSC 347: Fundamentals of Genetics AND LSC 348: Fundamentals of Genetics Laboratory	4	C	
BIO 201: Human Anatomy and Physiology I (SG) OR BIO 360: Animal Physiology OR PLB 308: Plant Physiology	4	C	
EDP 313: Childhood and Adolescence (SB)	3	C	
 SED 396: Clinical Experience I	1	C	
 SED 464: Middle-School Curr/Org	3	C	
 TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	18		

Term 6 79 - 95 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
BIO 370: Vertebrate Zoology OR BIO 385: Comparative Invertebrate Zoology OR MIC 443: The Microbial Universe AND MIC 444: The Microbial Universe Laboratory OR PLB 300: Plant Diversity and Evolution (L or SG) OR PLB 310: The Flora of Arizona	4	C	
BIO 345: Organic Evolution	3	C	
BIO 480: Methods of Teaching Biology OR SCN 494: Special Topics	3	C	
 PPE 310: Health Literacy: Creating Healthy and Active Schools (L)	3	C	
 SED 397: Clinical Experience II	1	C	
 SPE 417: Inclusion Practices at the Secondary Level	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 7	96 - 108 Credit Hours	Necessary course signified by 🌟	Hours	Minimum Grade	Notes
	BLE 407: SEI for Secondary Students		3	C	Speak to Teacher College advisor regarding the option of full year student teaching in terms 7 and 8.
	🌟 RDG 323: Literacy Processes in Content Areas		3	C	
	🌟 SED 322: Classroom Leadership in Secondary Schools (L)		3	C	
	🌟 SED 482: Science Teaching Methods for Secondary Schools		3	C	
	🌟 SED 496: Clinical Experience III		1	C	
Minimum 2.50 GPA ASU Cumulative.					
Term hours subtotal:			13		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching in the Secondary School	12	Y	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		12	

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Secondary Education (Chemistry), BAE

Mary Lou Fulton Teachers College

Polytechnic campus, Tempe campus, West campus
TECHMBAE

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 113: General Chemistry I (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
 TEL 101: The Teachers College Experience	1		
HST 109: United States to 1865 ((HU or SB) & H) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
Term hours subtotal:	15		
Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 116: General Chemistry II (SQ)	4	C	
ENG 101: First-Year Composition or ENG 102: First-Year Composition OR  ENG 105: Advanced First-Year Composition OR ENG 107: First-Year Composition or ENG 108: First-Year Composition	3	C	
MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
Term 3 33 - 49 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 CHM 233: General Organic Chemistry I AND CHM 237: General Organic Chemistry Laboratory I	4	C	
EDT 180: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Mobile Technologies and Your World (CS)	3		
PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4		
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
Elective	3		
 Milestone: Submit intent to progress form (online)			

❗ Complete Mathematics (MA) requirement.

Term hours subtotal: 17

Term 4 50 - 62 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ CHM 234: General Organic Chemistry II AND CHM 238: General Organic Chemistry Laboratory II	4	C	Must complete at least 60 credits including foundational coursework to progress into iTeachAZ.
BLE 220: Foundations of Structured English Immersion	3	C	
PHY 112: General Physics (SQ) AND PHY 114: General Physics Laboratory (SQ)	4	C	
Elective	2		
❗ Milestone: Must attend an iTeachAZ Enrollment Workshop			
❗ Minimum 2.50 GPA ASU Cumulative.			
Milestone: DPS Fingerprint Clearance Card.			
Term hours subtotal:	13		

Term 5 63 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
CHM 325: Analytical Chemistry AND CHM 326: Advanced Analytical Chemistry Laboratory	4	C	
CHM 341: Elementary Physical Chemistry OR CHM 345: Physical Chemistry I OR CHM 346: Physical Chemistry II	3-4	C	
★ EDP 313: Childhood and Adolescence (SB)	3	C	
★ SED 396: Clinical Experience I	1	C	
★ SED 464: Middle-School Curr/Org	3	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17-18		

Term 6 80 - 92 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
BCH 361: Advanced Principles of Biochemistry OR CHM 302: Environmental Chemistry OR CHM 453: Inorganic Chemistry	3	C	
CHM 480: Methods of Teaching Chemistry	3	C	
★ PPE 310: Health Literacy: Creating Healthy and Active Schools (L)	3	C	
★ SED 397: Clinical Experience II	1	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 7 93 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
BCH 361: Advanced Principles of Biochemistry OR CHM 302: Environmental Chemistry OR CHM 453: Inorganic Chemistry	3	C	Speak to Teacher College advisor regarding the option of full year student teaching in terms 7 and 8.

★ BLE 407: SEI for Secondary Students	3	C
★ RDG 323: Literacy Processes in Content Areas	3	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C
★ SED 482: Science Teaching Methods for Secondary Schools	3	C
★ SED 496: Clinical Experience III	1	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		16

Term 8	109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching in the Secondary School		12	Y	
Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:		12		

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Secondary Education (Earth and Space Sciences), BAE

Mary Lou Fulton Teachers College

Polytechnic campus, Tempe campus, West campus
EDESSBAE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
AST 111: Introduction to Solar Systems Astronomy (SQ) AND AST 113: Astronomy Laboratory I (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 210: Brief Calculus (MA) OR MAT 270: Calculus with Analytic Geometry I (MA)	3-4	C	
 TEL 101: The Teachers College Experience	1		
CHM 113: General Chemistry I (SQ)	4	C	
SED 111: Exploration of Science Teaching	1	C	
Term hours subtotal:	16-17		
Term 2 17 - 33 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
BLE 220: Foundations of Structured English Immersion	3	C	
EDT 180: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Mobile Technologies and Your World (CS)	3	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 GLG 101: Introduction to Geology I (Physical) (SQ & G) AND GLG 103: Introduction to Geology I-Laboratory (SQ)	4	C	
 PHY 101: Introduction to Physics (SQ) OR PHY 111: General Physics (SQ) AND PHY 113: General Physics Laboratory (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		
Term 3 34 - 49 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
AST 112: Introduction to Stars, Galaxies, and Cosmology (SQ) AND AST 114: Astronomy Laboratory II (SQ) OR GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG) OR SES 106: Habitable Worlds (SQ) OR GLG 108: Water Planet (SQ) OR GLG 110: Dangerous World (SG & G) AND GLG 111: Dangerous World Laboratory (SG)	4	C	
GLG 301: Earth Science in Arizona and the Southwest	3	C	
GLG 305: Dynamic Earth OR GLG 310: Structural Geology	3	C	

Humanities, Arts and Design (HU) AND Global Awareness (G)	3
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3
Complete Mathematics (MA) requirement.	
 Milestone: Intent to Progress Online Form.	
Term hours subtotal:	16

Term 4 50 - 66 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GLG 102: Introduction to Geology II (Historical) (SG & H) AND GLG 104: Introduction to Geology II-Laboratory (SG) OR SES 106: Habitable Worlds (SQ) OR GLG 108: Water Planet (SQ) OR GLG 110: Dangerous World (SG & G) AND GLG 111: Dangerous World Laboratory (SG)	4	C	Must complete at least 60 credits including all foundational coursework prior to progressing into iTeachAZ.
AST 321: Introduction to Planetary and Stellar Astrophysics (SQ) OR AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ) OR GLG 325: Oceanography OR GLG 327: Earth's Critical Zone OR GPH 212: Introduction to Meteorology (SQ) OR GPH 213: Introduction to Climatology (SG) OR SES 311: Essentials of Astrobiology: Exploration for Life in the Universe	3	C	
GLG 321: Mineralogy	4	C	
HST 109: United States to 1865 ((HU or SB) & H) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 Milestone: Must attend an iTeachAZ Enrollment Workshop			
 Minimum 2.50 GPA ASU Cumulative.			
Milestone: DPS Fingerprint Clearance Card.			
Term hours subtotal:	17		

Term 5 67 - 82 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
AST 321: Introduction to Planetary and Stellar Astrophysics (SQ) OR AST 322: Introduction to Galactic and Extragalactic Astrophysics (SQ) OR GLG 325: Oceanography OR GLG 327: Earth's Critical Zone OR GPH 212: Introduction to Meteorology (SQ) OR GPH 213: Introduction to Climatology (SG) OR SES 311: Essentials of Astrobiology: Exploration for Life in the Universe	6	C	
 EDP 313: Childhood and Adolescence (SB)	3	C	
 SED 396: Clinical Experience I	1	C	
 SED 464: Middle-School Curr/Org	3	C	
 TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 83 - 95 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
GLG 490: Teaching Earth and Space Sciences	3		
 PPE 310: Health Literacy: Creating Healthy and Active Schools (L)	3	C	
 SED 397: Clinical Experience II	1	C	

★ SPE 417: Inclusion Practices at the Secondary Level	3	C
Elective	3	
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	13	

Term 7 96 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students	3	C	Speak to Teacher College advisor regarding the option of full year student teaching in terms 7 and 8.
★ RDG 323: Literacy Processes in Content Areas	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 496: Clinical Experience III	1	C	
★ SED 482: Science Teaching Methods for Secondary Schools	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	13		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching in the Secondary School	12	Y	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Secondary Education (Economics), BAE

Mary Lou Fulton Teachers College

Polytechnic campus, Tempe campus, West campus
EDECNBAE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 210: Brief Calculus (MA)	3	C	
 TEL 101: The Teachers College Experience	1		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
HST 109: United States to 1865 ((HU or SB) & H) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Term hours subtotal:	16		
Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 211: Macroeconomic Principles (SB) OR ECN 212: Microeconomic Principles (SB)	3	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 211: Mathematics for Business Analysis	3	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 312: Intermediate Microeconomic Theory (SB) OR ECN 313: Intermediate Macroeconomic Theory (SB)	3	C	
 STP 226: Elements of Statistics (CS) OR ECN 231: Honors Business Statistics (CS) OR ECN 221: Business Statistics (CS)	3	C	
ECN Upper Division Elective	3	C	
Related Area Courses	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
 Milestone: Intent to Progress Online Form.			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 16

Term 4 48 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ECN 312: Intermediate Microeconomic Theory (SB) OR ECN 313: Intermediate Macroeconomic Theory (SB)	3	C	Must complete at least 60 credits including foundational coursework to progress into iTeachAZ.
BLE 220: Foundations of Structured English Immersion	3	C	
ECN 410: Applied Regression Analysis and Forecasting OR ECN 425: Introduction to Econometrics	3	C	
 Natural Science - Quantitative (SQ)	4		
Related Area Courses	3	C	
 Minimum 2.50 GPA ASU Cumulative.			
 Milestone: Must attend an iTeachAZ Enrollment Workshop			
Milestone: DPS Fingerprint Clearance Card.			
Term hours subtotal:		16	

Term 5 64 - 79 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EDP 313: Childhood and Adolescence (SB)	3	C	
 SED 396: Clinical Experience I	1	C	
 SED 464: Middle-School Curr/Org	3	C	
 TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
ECN Upper Division Elective	6	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 6 80 - 95 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
ECN 475: Capstone in Economics (L) OR ECN 493: Honors Thesis (L)	3	C	
ECN Upper Division Elective	3	C	
 PPE 310: Health Literacy: Creating Healthy and Active Schools (L)	3	C	
 SED 397: Clinical Experience II	1	C	
 SED 480: Special Methods of Teaching Social Studies	3	C	
 SPE 417: Inclusion Practices at the Secondary Level	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 7 96 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BLE 407: SEI for Secondary Students	3	C	
BUE 480: Teaching Business Subjects	3	C	
 RDG 323: Literacy Processes in Content Areas	3	C	

★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C
★ SED 496: Clinical Experience III	1	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		13

Term 8	109 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching in the Secondary School			12	Y	
Minimum 2.50 GPA ASU Cumulative.					
Term hours subtotal:			12		

Related Area

ACC OR CIS OR ECN OR GCU OR
HST OR MAT OR MGT OR PHI OR
POS OR SCM OR STP Elective

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Secondary Education (English), BAE

Mary Lou Fulton Teachers College

Polytechnic campus, Tempe campus, West campus
TEENGBAE

Term 1 0 - 17 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 MAT 142: College Mathematics (MA)	3	C	
 TEL 101: The Teachers College Experience	1		
EDT 180: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Mobile Technologies and Your World (CS)	3		
Global Awareness (G)	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Term hours subtotal:	17		

Term 2 18 - 33 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Natural Science - Quantitative (SQ)	4	C	
Complete 2 courses: Elective	6		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 34 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion	3	C	
 ENG 200: Critical Reading and Writing About Literature (L or HU)	3	C	
 ENG Elective	3	C	
ENG 215: Strategies of Academic Writing (L) OR ENG 216: Persuasive Writing on Public Issues (L) OR ENG 217: Writing Reflective Essays (L) OR ENG 311: Persuasive Writing (L)	3	C	
ENG 221: Survey of English Literature (HU)	3	C	
 Milestone: Submit intent to progress form (online)			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
ENG 222: Survey of English Literature (HU & H)	3	C	• Must complete at least 60 credits including foundational coursework to progress into iTeachAZ.
ENG 241: Literatures of the United States to 1860 (HU)	3	C	
ENG 242: Literatures of the United States, 1860 to Present (HU)	3	C	
ENG 333: American Ethnic Literature ((L or HU) & C), Magic Jews: Contemporary American Jewish Fiction ((L or HU) & C) OR ENG 353: African American Literature: Beginnings through the Harlem Renaissance ((L or HU) & C) OR ENG 354: African American Literature: Harlem Renaissance to the Present ((L or HU) & C) OR ENG 359: Indigenous American Literature ((L or HU) & C) OR ENG 363: Transborder Mexican and Chicano/a Literature of Southwest North America ((L or HU) & C) OR ENG 364: Women and Literature (HU) OR ENG 461: Studies in Women and Literature (HU), Women and Literature (HU)	3	C	
ENG Elective	3	C	
 Milestone: Must attend an iTeachAZ Enrollment Workshop			
 Minimum 2.50 GPA ASU Cumulative.			
Milestone: DPS Fingerprint Clearance Card.			
Term hours subtotal:	15		

Term 5 64 - 79 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EDP 313: Childhood and Adolescence (SB)	3	C	
ENG 312: English in its Social Setting (L or HU or SB) OR ENG 314: Modern Grammar OR ENG 323: Rhetoric and Grammar (L)	3	C	
ENG Upper Division Elective	3	C	
 SED 396: Clinical Experience I	1	C	
 SED 464: Middle-School Curr/Org	3	C	
 TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 80 - 95 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
ENG 321: Shakespeare (L or HU) OR ENG 421: Studies in Shakespeare (HU) OR ENG 422: Special Topics in Shakespeare (HU), Hamlet and Its Afterlives (HU), Race and Performance (HU), Shakespeare and Ovid (HU), Shakespearean Fetishes (HU)	3	C	
ENG 471: Literature for Young Adults (HU)	3	C	
ENG 480: Methods of Teaching English: Composition (L) OR SED 481: English Teaching Methods for Secondary Schools	3	C	
 PPE 310: Health Literacy: Creating Healthy and Active Schools (L)	3	C	
 SED 397: Clinical Experience II	1	C	
 SPE 417: Inclusion Practices at the Secondary Level	3	C	
Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 16

Term 7	96 - 108 Credit Hours	Necessary course signified by 🌟	Hours	Minimum Grade	Notes
🌟	BLE 407: SEI for Secondary Students		3	C	Speak to Teacher College advisor regarding the option of full year student teaching in terms 7 and 8.
	ENG 482: Methods of Teaching English: Language (L)		3	C	
🌟	RDG 323: Literacy Processes in Content Areas		3	C	
🌟	SED 322: Classroom Leadership in Secondary Schools (L)		3	C	
🌟	SED 496: Clinical Experience III		1	C	
Minimum 2.50 GPA ASU Cumulative.					
Term hours subtotal:			13		

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching in the Secondary School	12	Y	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		12	

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Secondary Education (French), BAE

Mary Lou Fulton Teachers College

Polytechnic campus, Tempe campus, West campus
EDFREBAE

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• AN SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
FRE 201: Intermediate French I (G)	4	C	
 MAT 142: College Mathematics (MA)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	
 TEL 101: The Teachers College Experience	1		
Term hours subtotal:	15		

Term 2 16 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
FRE 202: Intermediate French II (G)	4	C	
EDT 180: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Mobile Technologies and Your World (CS)	3		
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 33 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion	3	C	
FRE 305: Readings in French Literature (G)	3	C	
 FRE 311: Oral and Written Expression I (G)	3	C	
FRE 312: Oral and Written Expression II (G)	3	C	
SLC 201: Introduction to Linguistics (HU or SB)	3		
 Milestone: Intent to Progress Online Form.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4	48 - 60 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
FRE 315: French Phonetics			3	C	• Must complete at least 60 credits including foundational coursework to progress into iTeachAZ.
FRE 321: French Literature ((L or HU) & H)			3	C	
FRE 322: French Literature (L or HU)			3	C	
 SLC 202: Introduction to Literary and Cultural Theory			3		
Elective			1		
 Minimum 2.50 GPA ASU Cumulative.					
 Milestone: Must attend an iTeachAZ Enrollment Workshop					
Milestone: DPS Fingerprint Clearance Card.					
Term hours subtotal:			13		

Term 5 61 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EDP 313: Childhood and Adolescence (SB)	3	C	
FRE 415: French Civilization I (HU) OR FRE 416: French Civilization II (HU & G) OR FRE 471: The Literature of Francophone Africa and the Caribbean (L or HU) OR FRE 472: Franco-Canadian Civilization OR FRE 394: Special Topics	3	C	
 SED 396: Clinical Experience I	1	C	
 SED 464: Middle-School Curr/Org	3	C	
SLC 479: Introduction to Teaching Foreign Languages	3	C	
 TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 77 - 92 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
FRE Related Field	3	C	• French Related Area http://silc.asu.edu/undergraduate/majors-minors-certs
FRE 411: Advanced Spoken French (G)	3	C	
 PPE 310: Health Literacy: Creating Healthy and Active Schools (L)	3	C	
 SED 397: Clinical Experience II	1	C	
SLC 480: Methods of Teaching Foreign Languages	3	C	
 SPE 417: Inclusion Practices at the Secondary Level	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 93 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BLE 407: SEI for Secondary Students	3	C	
FRE 412: Advanced Written French (G)	3	C	

FRE 441: French Literature of the 17th Century (HU) OR
 FRE 442: French Literature of the 17th Century (HU & H) OR
 FRE 445: French Literature of the 18th Century (L or HU) OR
 FRE 451: French Poetry of the 19th Century OR
 FRE 452: French Novel of the 19th Century (HU) OR
 FRE 453: Theater of the 19th Century (L or HU) OR
 FRE 461: Modern Narrative (HU) OR
 FRE 462: Modern Poetry (HU)

3 C

★ RDG 323: Literacy Processes in Content Areas

3 C

★ SED 322: Classroom Leadership in Secondary Schools (L)

3 C

★ SED 496: Clinical Experience III

1 C

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 8 109 - 120 Credit Hours **Necessary course signified by** ★

Hours

**Minimum
Grade**

Notes

★ SED 478: Student Teaching in the Secondary School

12 Y

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 12

- French Related Area <http://silc.asu.edu/undergraduate/majors-minors-certs>

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Secondary Education (Geography), BAE

Mary Lou Fulton Teachers College

Polytechnic campus, Tempe campus, West campus
EDGCUBAE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 GCU 102: Introduction to Human Geography (SB & G)	3	C	
MAT 142: College Mathematics (MA)	3	C	
 TEL 101: The Teachers College Experience	1		
HST 109: United States to 1865 ((HU or SB) & H)	3		
Elective	3		
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 GCU 121: World Geography (SB & G)	3	C	
GPH 111: Introduction to Physical Geography (SQ)	4	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
ECN Lower Division Elective OR POS Lower Division Elective	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 GCU 241: The Global Economy in Transition (SB & G) OR GCU 322: Geography of U.S. and Canada (SB & C) OR GCU 351: Population Geography (SB & G) OR GCU 361: Urban Geography (SB)	3	C	
 Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
EDT 180: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Mobile Technologies and Your World (CS)	3		
GPH 210: Society and Environment (G) OR GPH 211: Landform Processes (SQ) OR	3-4	C	

GPH 212: Introduction to Meteorology (SQ) AND
 GPH 214: Introduction to Meteorology Laboratory (SQ) OR
 GPH 314: Global Change (HU & G)

HST 100: Global History to 1500 (HU & H & G) OR HST 101: Global History Since 1500 (HU & H & G)	3	C

❗ Complete Mathematics (MA) requirement.

❗ Milestone: Intent to Progress Online Form.

Term hours subtotal: 16-17

Term 4 49 - 63 Credit Hours Critical course signified by ❗	Hours	Minimum Grade	Notes
❗ BLE 220: Foundations of Structured English Immersion	3	C	• Must complete at least 60 credits including foundational coursework to progress into iTeachAZ.
ECN Lower Division Elective OR POS Lower Division Elective OR PSY Lower Division Elective	3	C	
Complete 2 courses: GPH Upper Division Elective OR GCU Upper Division Elective	6-7	C	
Elective	3		
❗ Minimum 2.50 GPA ASU Cumulative.			
❗ Milestone: Must attend an iTeachAZ Enrollment Workshop			
Milestone: DPS Fingerprint Clearance Card.			
Term hours subtotal:	15-16		

Term 5 64 - 79 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EDP 313: Childhood and Adolescence (SB)	3	C	
GPH Upper Division Elective OR GCU Upper Division Elective	3	C	
★ SED 396: Clinical Experience I	1	C	
★ SED 464: Middle-School Curr/Org	3	C	
★ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Elective	3		
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 80 - 95 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
GPH Upper Division Elective OR GCU Upper Division Elective	3	C	
GPH Upper Division Elective OR GCU Upper Division Elective	3	C	
★ PPE 310: Health Literacy: Creating Healthy and Active Schools (L)	3	C	
★ SED 397: Clinical Experience II	1	C	
★ SED 480: Special Methods of Teaching Social Studies	3	C	
★ SPE 417: Inclusion Practices at the Secondary Level	3	C	
Minimum 2.50 GPA ASU Cumulative.			

Term hours subtotal: 16

Term 7 96 - 108 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ BLE 407: SEI for Secondary Students	3	C	
★ GCU 414: Teaching Geography Standards	3	C	
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
★ SED 496: Clinical Experience III	1	C	
★ RDG 323: Literacy Processes in Content Areas	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		13	

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching in the Secondary School	12	Y	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		12	

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Secondary Education (German), BAE

Mary Lou Fulton Teachers College
Polytechnic campus, Tempe campus, West campus
EDGERBAE

Term 1 0 - 17 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course
 GER 201: Intermediate German (G)	4	C	
 TEL 101: The Teachers College Experience	1		
EDT 180: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Mobile Technologies and Your World (CS)	3		
HST 109: United States to 1865 ((HU or SB) & H) OR Humanities, Arts and Design (HU)	3		
MAT 142: College Mathematics (MA)	3	C	
Term hours subtotal:	17		

Term 2 18 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• Related courses can be found at: https://sls.asu.edu/undergrad/minors-certificates
 GER 202: Intermediate German (G)	4	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Natural Science - Quantitative (SQ)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 32 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion	3	C	
GER 310: Advanced German Grammar (G)	3	C	
SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	
Related Area Course	3	C	
 Complete Mathematics (MA) requirement.			
 Milestone: Intent to Progress Online Form.			
Term hours subtotal:	16		

Term 4 by 	48 - 63 Credit Hours	Critical course signified	Hours	Minimum Grade	Notes
EDP 313: Childhood and Adolescence (SB)			3	C	• Related courses can be found at: https://sls.asu.edu/undergrad/minors-certificates • Must complete at least 60 credits including foundational coursework to progress into iTeachAZ.
 GER 311: German Conversation (G)			3	C	
GER 313: German Composition (G)			3	C	
SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory			3	C	
Related Area Course			3	C	
Elective			1		
 Milestone: Must attend an iTeachAZ Enrollment Workshop					
 Minimum 2.50 GPA ASU Cumulative.					
Milestone: DPS Fingerprint Clearance Card.					
Term hours subtotal:			16		

Term 5 64 - 79 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
GER 421: German Literature (HU)	3	C	
GER Upper Division Elective	3	C	
 SED 396: Clinical Experience I	1	C	
 SED 464: Middle-School Curr/Org	3	C	
 SLC 479: Introduction to Teaching Foreign Languages	3	C	
 TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 6 80 - 95 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
GER Upper Division Elective	3	C	
GER 412: Advanced German (G)	3	C	
 PPE 310: Health Literacy: Creating Healthy and Active Schools (L)	3	C	
 SED 397: Clinical Experience II	1	C	
 SLC 480: Methods of Teaching Foreign Languages	3	C	
 SPE 417: Inclusion Practices at the Secondary Level	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:		16	

Term 7 96 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BLE 407: SEI for Secondary Students	3	C	
GER 422: German Literature (L or HU)	3	C	
 RDG 323: Literacy Processes in Content Areas	3	C	

★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C
★ SED 496: Clinical Experience III	1	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	13	

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching in the Secondary School	12	Y	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

- Related courses can be found at: <http://silc.asu.edu/undergraduate/majors-minors-certs>

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Secondary Education (History), BAE

Mary Lou Fulton Teachers College

Polytechnic campus, Tempe campus, West campus
TEHISBAE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
HST 100: Global History to 1500 (HU & H & G)	3	C	
 HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	
 MAT 142: College Mathematics (MA)	3	C	
 TEL 101: The Teachers College Experience	1		
Elective	3		
Term hours subtotal:	16		

Term 2 17 - 32 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 HST 109: United States to 1865 ((HU or SB) & H) OR HST 110: United States Since 1865 (SB & H)	3	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
History Related Area	3	C	
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 33 - 47 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion	3	C	
EDT 180: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Computer Literacy (CS)	3	C	
HST 101: Global History Since 1500 (HU & H & G)	3	C	
Complete 2 courses: History Related Area	6	C	
 Milestone: Intent to Progress Online Form.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	15		

Term 4	48 - 63 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
 Natural Science - Quantitative (SQ)			4	C	• Must complete at least 60 credits including foundational coursework to progress into iTeachAZ. • Must have 2.5 GPA to progress into iTeachAZ.
History Related Area			3	C	
Complete 2 courses: Upper Division U.S. History			6	C	
Elective			3		
 Milestone: Must attend an iTeachAZ Enrollment Workshop					
 Minimum 2.50 GPA ASU Cumulative.					
Milestone: DPS Fingerprint Clearance Card.					
Term hours subtotal:			16		

Term 5 64 - 79 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EDP 313: Childhood and Adolescence (SB)	3	C	
 SED 396: Clinical Experience I	1	C	
 SED 464: Middle-School Curr/Org	3	C	
 TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Upper Division U.S. History	3	C	
HST Upper Division Elective	3	C	
Term hours subtotal:	16		

Term 6 80 - 95 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 HST 480: Methods of Teaching History: Classroom Resources OR SED 480: Special Methods of Teaching Social Studies	3	C	
HST 495: Methods of Historical Inquiry	3	C	
 PPE 310: Health Literacy: Creating Healthy and Active Schools (L)	3	C	
 SED 397: Clinical Experience II	1	C	
 SPE 417: Inclusion Practices at the Secondary Level	3	C	
Upper Division Non-U.S. History	3	C	
Term hours subtotal:	16		

Term 7 96 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BLE 407: SEI for Secondary Students	3	C	Speak to Teacher College advisor regarding the option of full year student teaching in terms 7 and 8.
HST 481: Methods of Teaching History: Community Resources	3	C	
 RDG 323: Literacy Processes in Content Areas	3	C	
 SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
 SED 496: Clinical Experience III	1	C	
Term hours subtotal:	13		

Term 8	109 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	SED 478: Student Teaching in the Secondary School		12	Y	
Term hours subtotal:			12		

History Related Areas

ECN Lower Division Elective

GCU Lower Division Elective

POS Lower Division Elective

PSY Lower Division Elective

U.S. History

HST 306: Studies in United States History
(HU or SB) & H)

HST 313: American Cultural History to
1865 (SB & H)

HST 314: American Cultural History
Since 1865 ((HU or SB) & H)

HST 315: Political History of the U. S.
(SB & H)

HST 316: 20th-Century U.S. Foreign
Relations (SB & G & H)

HST 318: History of Engineering ((L or
SB) & G)

HST 320: U.S. Urban History since 1850
(SB & H)

HST 321: Constitutional History/US to
1965 (SB & H)

HST 322: Constitutional History of the
United States Since 1865 (SB & H)

HST 325: Immigration and Ethnicity in
the United States (SB & H & C)

HST 327: Women in U.S. History, 1600
to 1880 ((HU or SB) & C & H)

HST 328: Women in U.S. History,
1880-1980 ((HU or SB) & C & H)

HST 329: Women in 20th-Century U.S.
West (H & C)

HST 331: Mexican American History to
1900 (SB & H & C)

HST 332: Mexican American History
Since 1900 (SB & H & C)

HST 333: African American History to
1865 (SB & H & C)

HST 334: African American History Since
1865 ((HU or SB) & C & H)

HST 337: American Indian History to
1900 ((HU or SB) & C & H)

HST 338: American Indian History since
1900 ((HU or SB) & C & H)

HST 341: U.S. West 19th Century (SB & H)

HST 342: U.S. West 20th Century (SB & H)

HST 343: American Southwest ((L or SB) & H)

HST 344: Arizona (SB & H)

HST 394: Aboriginal Australian History , African American History II , America as a Global Superpower , American History and American Film , American Islam , American Military History

HST 405: Colonial American History to 1763 (SB & H)

HST 406: American Revolution/1763-1789 (SB & H)

HST 407: Early U.S. Republic/1789-1850 ((L or SB) & H)

HST 408: Civil War and Reconstruction ((L or SB) & H)

HST 409: Emergence Modern U.S. 1877-1918 (SB & H)

HST 410: Modern U.S., 1918 to 1945 (SB & H)

HST 411: Postwar U.S., 1945-1973 (SB & H)

HST 412: Contemporary U.S., 1973-Present (SB & H)

HST 415: Unequal Sisters: Women and Political and Cultural Change ((L or SB) & H & C)

HST 416: Western Rivers (L & H)

HST 443: The United States and Latin America (SB & G & H)

HST 456: The Vietnam War (SB & G & H)

HST 494: Special Topics

Non-U.S. History

HST 201: Historical Themes in Asia (SB & H), Healing and Culture (SB & H), Modern Korea (SB & H)

HST 203: Historical Themes in Latin America (SB & H)

HST 204: Historical Themes in the US (SB & H), Afr Amer History to 1865 (SB & H), American Aviation History (SB & H)

HST 240: Introduction to Southeast Asia ((HU or SB) & G)

HST 303: Special Topics

HST 304: Studies in European History (SB & H)

HST 305: Studies in Latin American History (SB & H)

HST 309: Exploration and Empire ((L or HU) & H)

HST 347: Ancient Greece I: Bronze Age through the Peloponnesian War (SB & H)

HST 348: Rome (SB & H)

HST 349: Early Middle Ages ((HU or SB) & H)

HST 350: Later Middle Ages ((HU or SB) & H)

HST 351: Renaissance Europe ((L or HU or SB) & H)

HST 352: Europe's Reformations ((L or HU or SB) & H)

HST 353: Old Regime in Europe (SB & H)

HST 354: Revolutionary Europe (SB & H)

HST 355: Total War and the Crisis of Modernity (SB & G & H)

HST 356: Europe since 1945 (SB & G & H)

HST 358: Jewish History from the Bible to 1492 (SB & H)

HST 359: Jewish History from 1492 to 1948 (SB & G & H)

HST 361: Witchcraft and Heresy in Europe ((L or HU) & H)

HST 362: Sex and Society in Classical and Medieval Europe (SB & H)

HST 363: Sex and Society in Early Modern Europe ((HU or SB) & H)

HST 364: Sex and Society in Modern Europe ((L or SB) & H)

HST 366: England to 1689 (SB & H)

HST 367: Modern Britain (SB & H)

HST 368: Culture and Imagination in European History (HU & H), Revolution & Romanticism (HU & H)

HST 370: Eastern Europe in Transition (SB & G & H)

HST 372: Modern Middle East (SB & G & H)

HST 375: Colonial Latin America (SB & H)

HST 376: Modern Latin America (SB & H)

HST 378: Latin American Women: The National Period (SB & G & H)

HST 383: China (SB & H)

HST 384: China (SB & G & H)

HST 385: History of Chinese Medicine (HU & H & G)

HST 386: Interpreting China's Classics ((L or HU) & H)

HST 387: Japan ((L or SB) & H)

HST 388: Japan (SB & G & H)

HST 389: Japan Society and
Values/Premod

HST 391: Modern Southeast Asia (SB &
G & H)

HST 419: 20th Century Chicano/a History

HST 423: The Tudor Monarchy (SB & H)

HST 424: The Stuart Monarchy (SB & H)

HST 426: The British Empire (SB & H)

HST 427: French Revolution/Napoleonic
Era (SB & H)

HST 428: Modern France (SB & G & H)

HST 429: Modern Germany (SB & G &
H)

HST 431: Eastern Europe and the
Balkans, Pre-1914 (SB & H)

HST 432: Eastern Europe the Balkans,
20th Century (SB & G & H)

HST 435: The Russian Empire (SB & H)

HST 436: The Soviet Experiment (SB &
G & H)

HST 438: Modern Spain ((HU or SB) & G
& H)

HST 443: The United States and Latin
America (SB & G & H)

HST 445: 20th-Century Cuba (SB & G &
H)

HST 447: Modern Mexico (SB & H)

HST 451: Chinese Cultural History I ((HU
or SB) & H)

HST 452: Chinese Cultural History II (SB
& G & H)

HST 453: The People's Republic of China
(SB & G & H)

HST 456: The Vietnam War (SB & G &
H)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Secondary Education (Japanese), BAE

Mary Lou Fulton Teachers College

Polytechnic campus, Tempe campus, West campus
EDJPNBAE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 JPN 201: Second-Year Japanese I (G)	5	C	
 MAT 142: College Mathematics (MA)	3	C	
Natural Science - General (SG) OR Natural Science - Quantitative (SQ)	4	C	
 TEL 101: The Teachers College Experience	1		
Term hours subtotal:	16		

Term 2 17 - 33 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HST 109: United States to 1865 ((HU or SB) & H) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
EDT 180: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Mobile Technologies and Your World (CS)	3		
JPN 202: Second-Year Japanese II (G)	5	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 34 - 49 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 Natural Science - Quantitative (SQ)	4	C	
SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
JPN 3** Elective	3	C	
 JPN 301: Third-Year Japanese I (G)	3	C	
Related Area: Historical Overview	3	C	
 Milestone: Intent to Progress Online Form.			
Complete Mathematics (MA) requirement.			
Term hours subtotal:	16		

Term 4 50 - 64 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion	3	C	• Must complete at least 60 credits including foundational coursework to progress into iTeachAZ. • Must have 2.5 GPA to progress into iTeachAZ.
EDP 313: Childhood and Adolescence (SB)	3	C	
 JPN 302: Third-Year Japanese II (G)	3	C	
JPN 3** Elective	3	C	
SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
 Milestone: Must attend an iTeachAZ Enrollment Workshop			
 Minimum 2.50 GPA ASU Cumulative.			
Milestone: DPS Fingerprint Clearance Card.			
Term hours subtotal:	15		

Term 5 65 - 80 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
JPN 401: Reading Modern Japanese Texts I ((L or HU) & G)	3	C	
JPN 414: Introduction to Classical Japanese	3	C	
 SED 396: Clinical Experience I	1	C	
 SED 464: Middle-School Curr/Org	3	C	
 SLC 479: Introduction to Teaching Foreign Languages	3	C	
 TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 81 - 96 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
JPN 4** Elective	3	C	
Related Area	3	C	
 SED 397: Clinical Experience II	1	C	
SLC 421: Japanese Literature in Translation ((L or HU) & G)	3	C	
 SLC 480: Methods of Teaching Foreign Languages	3	C	
 SPE 417: Inclusion Practices at the Secondary Level	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 97 - 109 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BLE 407: SEI for Secondary Students	3	C	
 PPE 310: Health Literacy: Creating Healthy and Active Schools (L)	3	C	
 RDG 323: Literacy Processes in Content Areas	3	C	
 SED 322: Classroom Leadership in Secondary Schools (L)	3	C	

★ SED 496: Clinical Experience III	1	C

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 13

Term 8	110 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes

★ SED 478: Student Teaching in the Secondary School	11	Y

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 11

Related Area

ARS 472: Art of China (HU)

ARS 473: Art of Japan (HU)

ARS 475: Chinese Painting (HU)

GCU 326: Geography of Asia (SB & G)

HST 106: Asian Civilizations ((HU or SB) & G & H)

HST 107: Asian Civilizations (SB & G & H)

HST 108: Introduction to Japan (SB & G & H)

HST 201: Historical Themes in Asia (SB & H), Healing and Culture (SB & H), Modern Korea (SB & H)

HST 383: China (SB & H)

HST 384: China (SB & G & H)

HST 385: History of Chinese Medicine (HU & H & G)

HST 386: Interpreting China's Classics ((L or HU) & H)

HST 387: Japan ((L or SB) & H)

HST 388: Japan (SB & G & H)

HST 452: Chinese Cultural History II (SB & G & H)

POS 451: China, Japan, and the Koreans (SB & G)

POS 452: China (SB & G)

POS 468: Comparative Asian foreign Policies (SB & G)

REL 344: Religion and Values in Japanese Life (HU & G)

REL 351: Buddhism ((L or HU) & G)

REL 355: Japanese Cities and Cultures to 1800 (HU & H)

Related Area: Historical Overview

ARS 201: Art of Asia (HU & H & G)

ARS 473: Art of Japan (HU)

HST 108: Introduction to Japan (SB & G
& H)

HST 387: Japan ((L or SB) & H)

REL 355: Japanese Cities and Cultures to
1800 (HU & H)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64
maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Secondary Education (Mathematics), BAE

Mary Lou Fulton Teachers College

Polytechnic campus, Tempe campus, West campus
TEMATBAE

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into First- Year Composition courses • ASU Math Placement Exam score determines placement into Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
MAT 208: Discrete Mathematics for Secondary Teachers OR Elective	3		
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
 TEL 101: The Teachers College Experience	1		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Term hours subtotal:	15		

Term 2 16 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ACO 101: Introduction to Computer Science (CS) OR CSE 100: Principles of Programming with C++ (CS) OR CSE 110: Principles of Programming with Java (CS) OR CSE 205: Object-Oriented Programming and Data Structures (CS)	3	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
MAT 207: Algebra and Geometry in the High School AND MTE 210: Mentored Tutoring Internship OR Elective	3		
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	16		

Term 3 32 - 48 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	
MAT 300: Mathematical Structures (L)	3	C	
 Natural Science - Quantitative (SQ)	4	C	
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Social-Behavioral Sciences (SB)	3		
 Milestone: Intent to Progress Online Form.			

Complete Mathematics (MA) requirement.

Term hours subtotal: 17

Term 4 49 - 63 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion	3	C	• Must complete at least 60 credits including foundational coursework to progress into iTeachAZ. • Must have 2.5 GPA to progress into iTeachAZ program.
HST 109: United States to 1865 ((HU or SB) & H) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
MAT 310: Introduction to Geometry	3	C	
STP 420: Introductory Applied Statistics (CS)	3	C	
Elective	3		
 Milestone: Must attend an iTeachAZ Enrollment Workshop			
Milestone: DPS Fingerprint Clearance Card.			
Term hours subtotal:	15		

Term 5 64 - 79 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EDP 313: Childhood and Adolescence (SB)	3	C	
MAT 342: Linear Algebra	3	C	
MAT 370: Intermediate Calculus OR MAT 371: Advanced Calculus I	3	C	
 SED 396: Clinical Experience I	1	C	
 SED 464: Middle-School Curr/Org	3	C	
 TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 80 - 95 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
MAT 411: History and Philosophy of Mathematics (HU & H) OR MTE 483: Mathematics in the Secondary School	3	C	
MTE 250: Technology and Mathematical Visualization OR MAT 443: Introduction to Abstract Algebra OR MAT 445: Theory of Numbers OR MAT 447: Cryptography	3	C	
 MTE 482: Methods of Teaching Mathematics in Secondary School	3	C	
 PPE 310: Health Literacy: Creating Healthy and Active Schools (L)	3		
 SED 397: Clinical Experience II	1	C	
 SPE 417: Inclusion Practices at the Secondary Level	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 7 96 - 108 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BLE 407: SEI for Secondary Students	3	C	Speak to Teacher College advisor regarding the option of full year student teaching in terms 7 and 8.

★ MTE 485: Teaching Standards-Based Middle and High School Mathematics	3	C
★ RDG 323: Literacy Processes in Content Areas	3	C
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C
★ SED 496: Clinical Experience III	1	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	13	

Term 8 109 - 120 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching in the Secondary School	12	Y	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	12		

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Secondary Education (Physical Education), BAE

Mary Lou Fulton Teachers College

Polytechnic campus
ECPPEBAE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 100: The Living World (SQ) OR Natural Science - Quantitative (SQ)	4	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 142: College Mathematics (MA)	3	C	
 TEL 101: The Teachers College Experience	1		
PPE 210: Teaching Fitness Activities for K-12 Students OR PPE 215: Teaching Team Sports OR PPE 220: Teaching Lifetime Activity K-12 OR PPE 225: Teaching Cooperative and Initiative Games OR PPE 230: Teaching Group Exercise	2	C	
TEL 111: Exploration of Education (SB) OR Elective	3		
Term hours subtotal:	16		

Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 201: Human Anatomy and Physiology I (SG)	4	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
PPE 210: Teaching Fitness Activities for K-12 Students OR PPE 215: Teaching Team Sports OR PPE 220: Teaching Lifetime Activity K-12 OR PPE 225: Teaching Cooperative and Initiative Games OR PPE 230: Teaching Group Exercise	2	C	
Elective	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		

Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BIO 202: Human Anatomy and Physiology II (SG)	4	C	
 PSY 101: Introduction to Psychology (SB)	3	C	
PPE 210: Teaching Fitness Activities for K-12 Students OR PPE 215: Teaching Team Sports OR PPE 220: Teaching Lifetime Activity K-12 OR PPE 225: Teaching Cooperative and Initiative Games OR PPE 230: Teaching Group Exercise	2	C	

USL 210: Service Learning: Intro to Diverse Community Issues (L & C) OR Elective	3
Elective	3
 Milestone: Intent to Progress Online Form.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	15

Term 4 47 - 59 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion	3	C	• Must complete at least 60 credits including foundational coursework to progress into iTeachAZ. • Must have 2.5 GPA to progress into iTeachAZ.
 EDT 180: Problem Solving using Digital Technology Applications (CS)	3	C	
HST 109: United States to 1865 ((HU or SB) & H) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Elective	1		
 Milestone: Must attend an iTeachAZ Enrollment Workshop			
Milestone: DPS Fingerprint Clearance Card.			
Term hours subtotal:	13		

Term 5 60 - 76 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EDP 313: Childhood and Adolescence (SB)	3	C	
PPE 300: Introduction to Physical Education, Fitness and Sport	3		
PPE 320: Exercise Physiology Concepts for Physical Educators	3	C	
 PPE 396: Clinical Experience in Physical Education: Elementary	2	C	
PPE 450: Physical Education for the Elementary School	3	C	
 SED 464: Middle-School Curr/Org	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 6 77 - 90 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 PPE 397: Clinical Experience in Physical Education - Secondary	2	C	
PPE 315: Pediatric Movement Sciences for Physical Educators	3	C	
PPE 455: Physical Education in the Secondary School	3	C	
PPE 460: Adapted and Inclusive Physical Education	3	C	
 RDG 323: Literacy Processes in Content Areas	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 7 91 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BLE 407: SEI for Secondary Students	3	C	

★ PPE 477: Student Teaching in Physical Education Elementary K-6	6	C
PPE 480: Professional Seminar for Physical Education	3	C
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		15

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★ EDP 311: Educational Psychology for Future Teachers (SB)			3	C	
★ PPE 310: Health Literacy: Creating Healthy and Active Schools (L)			3	C	
PPE 365: Teaching Physical Activity Concepts (L)			3	C	
★ PPE 478: Student Teaching in Physical Education Secondary			6	C	
Minimum 2.50 GPA ASU Cumulative.					
Term hours subtotal:			15		

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Secondary Education (Physics), BAE

Mary Lou Fulton Teachers College

Polytechnic campus, Tempe campus, West campus
EDPHYBAE

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into First-Year Composition courses • ASU Math Placement Exam score determines placement into Mathematics courses • ASU 101 or College specific equivalent First Year Seminar required of all freshman students • Recommended HST109 for HU, H and meets the US Constitution requirement for certification
 MAT 270: Calculus with Analytic Geometry I (MA)	4	C	
 TEL 101: The Teachers College Experience	1		
HST 109: United States to 1865 ((HU or SB) & H) OR Humanities, Arts and Design (HU)	3		
Humanities, Arts and Design (HU) AND Global Awareness (G)	3		
Term hours subtotal:	14		

Term 2 15 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 MAT 271: Calculus with Analytic Geometry II (MA)	4	C	
 PHY 121: University Physics I: Mechanics (SQ) AND PHY 122: University Physics Laboratory I (SQ) OR PHY 150: Physics I (SQ)	4	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	B	
Humanities, Arts and Design (HU) OR Social-Behavioral Sciences (SB)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	17		

Term 3 32 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 MAT 272: Calculus with Analytic Geometry III (MA)	4	C	
 PHY 131: University Physics II: Electricity and Magnetism (SQ) AND PHY 132: University Physics Laboratory II (SQ) OR PHY 151: Physics II (SQ)	4	C	
BLE 220: Foundations of Structured English Immersion	3	C	
Elective	3		

 Milestone: Intent to Progress Online Form.

Complete Mathematics (MA) requirement.

Term hours subtotal: 14

Term 4	46 - 61 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	PHY 201: Mathematical Methods in Physics I (CS)		3	C	• Must complete at least 60 credits including foundational coursework to progress into iTeachAZ. • Must have 2.5 GPA to progress into iTeachAZ program.
	PHY 241: University Physics III OR PHY 252: Physics III (SQ)		3-4	C	
	EDP 313: Childhood and Adolescence (SB)		3	C	
	PHY Upper Division Elective		3	C	
	Elective		4		
	Milestone: Must attend an iTeachAZ Enrollment Workshop				
	Milestone: DPS Fingerprint Clearance Card.				
Term hours subtotal:			16-17		

Term 5	62 - 76 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes
	PHY 302: Mathematical Methods in Physics II		2	C	
	PHY 310: Classical Particles, Fields, and Matter I		3	C	
	SED 396: Clinical Experience I		1	C	
	SED 464: Middle-School Curr/Org		3	C	
	TEL 311: Instruction and Management in the Inclusive Classroom		3	C	
	PHY Upper Division Elective		3	C	
	Minimum 2.50 GPA ASU Cumulative.				
			Term hours subtotal:	15	

Term 6	77 - 92 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes
	PHY 333: Electronic Circuits and Measurements		3	C	
	PPE 310: Health Literacy: Creating Healthy and Active Schools (L)		3	C	
	PHY 480: Methods of Teaching Physics		3	C	
	PHY Upper Division Elective		3	C	
	SED 397: Clinical Experience II		1	C	
	SPE 417: Inclusion Practices at the Secondary Level		3	C	
	Minimum 2.50 GPA ASU Cumulative.				
			Term hours subtotal:	16	

Term 7	93 - 108 Credit Hours	Necessary course signified by 	Hours	Minimum Grade	Notes
	BLE 407: SEI for Secondary Students		3	C	Speak to Teacher College advisor regarding the option of full year student teaching in terms 7 and 8.
	PHY 314: Quantum Physics I OR PHY 361: Introductory Modern Physics		3	C	

★ RDG 323: Literacy Processes in Content Areas	3	C
★ SED 322: Classroom Leadership in Secondary Schools (L)	3	C
★ SED 482: Science Teaching Methods for Secondary Schools	3	C
★ SED 496: Clinical Experience III	1	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:		16

Term 8	109 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★ SED 478: Student Teaching in the Secondary School			12	C	
Minimum 2.50 GPA ASU Cumulative.					
Term hours subtotal:			12		

Total Hours: 120
Upper Division Hours: 45 minimum
Major GPA: 2.00 minimum
Cumulative GPA: 2.00 minimum
Total hrs at ASU: 30 minimum
Hrs Resident Credit for Academic Recognition: 56 minimum
Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Secondary Education (Political Science), BAE

Mary Lou Fulton Teachers College

Polytechnic campus, Tempe campus, West campus
TEPOLBAE

Term 1 0 - 16 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into First-Year Composition courses • ASU Math Placement Exam score determines placement in mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 MAT 142: College Mathematics (MA)	3	C	
 TEL 101: The Teachers College Experience	1		
HST 109: United States to 1865 ((HU or SB) & H) OR Humanities, Arts and Design (HU) AND Historical Awareness (H)	3		
POS 110: Government and Politics (SB) OR POS 310: American National Government (SB)	3	C	
Related Area Course	3		
Term hours subtotal:	16		
Term 2 17 - 31 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
 POS 210: Political Ideologies (SB)	3	C	
POS 150: Comparative Government (SB & G) OR POS 160: Global Politics (SB & G)	3	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
Natural Science - Quantitative (SQ)	3		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	15		
Term 3 32 - 46 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
EDT 180: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Mobile Technologies and Your World (CS)	3	C	
Humanities, Arts and Design (HU)	3		
 Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
POS Elective OR POS course (L)	3	C	
Elective	2		
 Milestone: Intent to Progress Online Form.			
Complete Mathematics (MA) requirement.			

Term hours subtotal: 15

Term 4 47 - 61 Credit Hours Critical course signified by 🚩	Hours	Minimum Grade	Notes
🚩 BLE 220: Foundations of Structured English Immersion	3	C	• Must complete at least 60 credits including foundational coursework to progress into iTeachAZ. • Must have 2.5 ASU GPA to progress into iTeachAZ program.
🚩 POS 301: Empirical Political Inquiry (SB)	3	C	
Complete 3 courses: Related Area Course	9		
🚩 Milestone: Must attend an iTeachAZ Enrollment Workshop			
Milestone: DPS Fingerprint Clearance Card.			
Term hours subtotal:	15		

Term 5 62 - 77 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ EDP 313: Childhood and Adolescence (SB)	3	C	
⭐ SED 396: Clinical Experience I	1	C	
⭐ SED 464: Middle-School Curr/Org	3	C	
⭐ TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Complete 2 courses: POS Upper Division Elective	6	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	16		

Term 6 78 - 92 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ PPE 310: Health Literacy: Creating Healthy and Active Schools (L)	3	C	
POS 211: Arizona Constitution and Government OR POS 417: Arizona Political System (SB)	2-3	C	
⭐ SED 397: Clinical Experience II	1	C	
⭐ SED 480: Special Methods of Teaching Social Studies	3	C	
⭐ SPE 417: Inclusion Practices at the Secondary Level	3	C	
POS Upper Division Elective	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	15-16		

Term 7 93 - 108 Credit Hours Necessary course signified by ⭐	Hours	Minimum Grade	Notes
⭐ BLE 407: SEI for Secondary Students	3	C	
HST 481: Methods of Teaching History: Community Resources	3	C	
⭐ SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
⭐ SED 496: Clinical Experience III	1	C	
⭐ RDG 323: Literacy Processes in Content Areas	3	C	
POS Upper Division Elective	3	C	

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 16

Term 8 109 - 120 Credit Hours **Necessary course signified by** ★

Hours

**Minimum
Grade**

Notes

★ **SED 478: Student Teaching in the Secondary School**

12

Y

Minimum 2.50 GPA ASU Cumulative.

Term hours subtotal: 12

Related Area

ECN Elective

GCU Elective

HST Elective

PSY Elective

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

**Total Community College Hrs: 64
maximum**

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Secondary Education (Spanish), BAE

Mary Lou Fulton Teachers College

Polytechnic campus, Tempe campus, West campus
TESPABAE

Term 1 0 - 15 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Math Placement Exam score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 MAT 142: College Mathematics (MA)	3	C	
SPA 201: Intermediate Spanish (G)	4	C	
 TEL 101: The Teachers College Experience	1		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Term hours subtotal:	15		

Term 2 16 - 29 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion	3	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
HST 109: United States to 1865 ((HU or SB) & H) OR Historical Awareness (H)	3		
SPA 202: Intermediate Spanish (G)	4	C	
Elective	1		
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Term hours subtotal:	14		

Term 3 30 - 42 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
EDT 180: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Mobile Technologies and Your World (CS)	3		
 Natural Science - Quantitative (SQ)	4	C	
 SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
SPA 313: Spanish Conversation and Composition (G) OR SPA 315: Spanish Conversation and Composition for Bilinguals	3	C	
Complete Mathematics (MA) requirement.			
Milestone: Intent to Progress Online Form.			
Term hours subtotal:	13		

Term 4 43 - 57 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
EDP 313: Childhood and Adolescence (SB)	3	C	• Must complete at least 60 credits including foundational coursework to progress into iTeachAZ.
SLC 201: Introduction to Linguistics (HU or SB) OR SLC 202: Introduction to Literary and Cultural Theory	3	C	
SPA 314: Spanish Conversation and Composition (G) OR SPA 316: Spanish Conversation and Composition for Bilinguals	3	C	
SPA 325: Introduction to Hispanic Literature (HU)	3	C	
SPE 222: Orientation to Education of Exceptional Children (SB & C)	3	C	
 Milestone: Must attend an iTeachAZ Enrollment Workshop			
Milestone: DPS Fingerprint Clearance Card.			
Term hours subtotal:	15		

Term 5 58 - 73 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SED 396: Clinical Experience I	1	C	
 SED 464: Middle-School Curr/Org	3	C	
 SLC 479: Introduction to Teaching Foreign Languages	3	C	
SPA 412: Advanced Conversation and Composition (G)	3	C	
SPA 413: Advanced Spanish Grammar (G)	3	C	
 TEL 311: Instruction and Management in the Inclusive Classroom	3	C	
Term hours subtotal:	16		

Term 6 74 - 89 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 SED 397: Clinical Experience II	1	C	
 PPE 310: Health Literacy: Creating Healthy and Active Schools (L)	3	C	
 SLC 480: Methods of Teaching Foreign Languages	3	C	
Upper Division SPA Literature	3	C	
SPA 420: Applied Spanish Linguistics (L)	3	C	
 SPE 417: Inclusion Practices at the Secondary Level	3	C	
Term hours subtotal:	16		

Term 7 90 - 105 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 BLE 407: SEI for Secondary Students	3	C	
 RDG 323: Literacy Processes in Content Areas	3	C	
 SED 322: Classroom Leadership in Secondary Schools (L)	3	C	
 SED 496: Clinical Experience III	1	C	
SPA 425: Spanish Literature (HU)	3	C	
Upper Division SPA Literature	3	C	
Term hours subtotal:	16		

Term 8	106 - 120 Credit Hours	Necessary course signified by ★	Hours	Minimum Grade	Notes
★	SED 478: Student Teaching in the Secondary School		12	Y	
	Upper Division SPA Civilizations		3	C	
Term hours subtotal:			15		

SPA Civilizations

SPA 471: Civilization of the Spanish Southwest ((L or HU) & C)

SPA 472: Spanish American Civilization (HU & H & G)

SPA 473: Spanish Civilization ((HU or SB) & G)

SPA Literature

SPA 426: Spanish Literature (HU)

SPA 427: Spanish American Literature (L or HU)

SPA 428: Spanish American Literature (L & G)

SPA 429: Mexican Literature ((L or HU) & G)

Total Hours: 120

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

2014 - 2015 Major Map Special Education and Elementary Education, BAE

Mary Lou Fulton Teachers College

Polytechnic campus, Tempe campus, West campus
TESPEBAE

Term 1 0 - 14 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	• An SAT, ACT, Accuplacer, or TOEFL score determines placement into first-year composition courses • ASU Mathematics Placement Test score determines placement in Mathematics course • ASU 101 or College specific equivalent First Year Seminar required of all freshman students
 MAT 142: College Mathematics (MA)	3	C	
 TEL 101: The Teachers College Experience	1		
GCU 113: United States and Arizona Social Studies (SB & H)	3	C	
Natural Science - Quantitative (SQ)	4	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 2 15 - 30 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
 BLE 220: Foundations of Structured English Immersion OR RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education of Exceptional Children (SB & C) OR TEL 215: Introduction to Child and Adolescent Development (SB)	3	C	
 ENG 101 or ENG 102: First-Year Composition OR ENG 105: Advanced First-Year Composition OR ENG 107 or ENG 108: First-Year Composition	3	C	
EDT 180: Problem Solving using Digital Technology Applications (CS) OR EDT 321: Mobile Technologies and Your World (CS)	3	C	
GCU 114: World Social Studies (SB & G & H)	3		
Natural Science - Quantitative (SQ) OR Natural Science - General (SG)	4	C	
Complete ENG 101 OR ENG 105 OR ENG 107 course(s).			
Milestone: DPS Fingerprint Clearance Card.			
Term hours subtotal:	16		

Term 3 31 - 45 Credit Hours Critical course signified by 	Hours	Minimum Grade	Notes
Complete 2 courses:  BLE 220: Foundations of Structured English Immersion OR RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education of Exceptional Children (SB & C) OR TEL 215: Introduction to Child and Adolescent Development (SB)	6	C	
MTE 280: Investigating Quantity: Number, Operations & Numeration Systems	3	C	
USL 216: Service Learning for Educators (L & C)	3	C	

Art, Dance, Music or Theater course AND Humanities, Arts and Design (HU)	3
 Milestone: Intent to Progress Online Form.	
Complete Mathematics (MA) requirement.	
Term hours subtotal:	15

Term 4	46 - 61 Credit Hours	Critical course signified by 	Hours	Minimum Grade	Notes
	BLE 220: Foundations of Structured English Immersion OR RDG 291: Children's Literature (HU) OR SPE 222: Orientation to Education of Exceptional Children (SB & C) OR TEL 215: Introduction to Child and Adolescent Development (SB)		3	C	• Must complete 60 credits including foundational courses to progress into ITeachAZ.
	MTE 281: Investigating Space: Geometry, Measurement, and Visualization		3	C	
	COM 225: Public Speaking (L)		3		
	Art, Dance, Music or Theater course AND Humanities, Arts and Design (HU)		3		
	Natural Science - Quantitative (SQ) OR Natural Science - General (SG)		4	C	
	Milestone: Must attend an iTeachAZ Enrollment Workshop				
	Minimum 2.50 GPA ASU Cumulative.				
Term hours subtotal:			16		

Term 5 62 - 75 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EED 433: Language Method Management and Assessment	3	C	
 MTE 301: Investigating Change: Patterns, Functions, and Modeling	3	C	
 SCN 400: Sustainability Science for Teachers	3	C	
 SPE 396: Clinical Experience I	2	C	
 SPE 430: Professional Practices, Foundations, & Collaborative Teaching in Special Education	3	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	14		

Term 6 76 - 92 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes
 EED 324: Social Studies in Elementary Schools	3	C	
 EED 411: Science in Elementary Schools	3	C	
 EED 412: Mathematics in Elementary Schools	3	C	
 RDG 322: Language Literacy 1 in Elementary Schools	3	C	
 SPE 323: Behavioral Strategies for All Students	3	C	
 SPE 397: Field Experience II	2	C	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Term 7 93 - 109 Credit Hours Necessary course signified by 	Hours	Minimum Grade	Notes

★ EDP 311: Educational Psychology for Future Teachers (SB)	3	C
★ EED 478: Student Teaching in the Elementary School	8	
★ SPE 321: Classroom and SPE Assessment	3	C
★ SPE 423: Methods of Cross-Categorical Special Education I	3	C
Minimum 2.50 GPA ASU Cumulative.		
Term hours subtotal:	17	

Term 8 110 - 126 Credit Hours Necessary course signified by ★	Hours	Minimum Grade	Notes
★ PPE 310: Health Literacy: Creating Healthy and Active Schools (L)	3	C	
★ SPE 317: Special Education for Culturally and Linguistically Diverse Children and Youth	3	C	
★ SPE 424: Methods of Cross-Categorical Special Education 2	3	C	
★ SPE 478: Student Teaching in Special Education	8	Y	
Minimum 2.50 GPA ASU Cumulative.			
Term hours subtotal:	17		

Art, Dance, Music or Theater course

AME Elective

ARA Elective

ARE Elective

ARS Elective

ART Elective

DAH Elective

DCE Elective

MTC Elective

MUE Elective

THE Elective

THP Elective

Total Hours: 126

Upper Division Hours: 45 minimum

Major GPA: 2.00 minimum

Cumulative GPA: 2.00 minimum

Total hrs at ASU: 30 minimum

Hrs Resident Credit for

Academic Recognition: 56 minimum

Total Community College Hrs: 64 maximum

General University Requirements Legend

General Studies Core Requirements:

- Literacy and Critical Inquiry (L)
- Mathematical Studies (MA)
- Computer/Statistics/Quantitative Applications (CS)
- Humanities, Arts and Design (HU)
- Social-Behavioral Sciences (SB)
- Natural Science - Quantitative (SQ)
- Natural Science - General (SG)

General Studies Awareness Requirements:

- Cultural Diversity in the U.S. (C)
- Global Awareness (G)
- Historical Awareness (H)

First-Year Composition

General Studies designations listed on the major map are current for the 2014 - 2015 academic year.

Transfer Admission Guarantee (TAG) and Maricopa to ASU Pathways Program (MAPP)

Arizona State University has established special transfer partnerships with Arizona community colleges to facilitate the transition to ASU. Transfer Admission Guarantee (TAG) programs provide a prescribed set of course work that meet the requirements for an associate degree and AGECEC (Arizona General Education Curriculum), as well as, lower-division course requirements for a specific ASU major. Maricopa Community College District (MCCCD) students participate in the Maricopa to ASU Pathways Program (MAPP), a TAG designed specifically for students attending one of the MCCCD community colleges.

2014-2015 Catalog Year - MAPP

Business (Accountancy) BS

ASU Major

Accountancy, BS - W. P. Carey School of Business

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCDC Associate in Business (ABUS-GR) and AGECE-B, meets major map requirements at ASU, and guarantees admission to the Business B.S. degree program in Accountancy. Special Requirements: Students who complete the MAPP with a 3.0 cumulative transfer GPA* and submit one of the following: an SAT (math and critical reading sections only) score of 1160 or higher, OR an ACT composite score of 25 or higher, OR a high school class ranking in the top 8 percent, OR an overall high school GPA of 3.60 in ASU competency courses (A=4.00) are guaranteed admission to the W. P. Carey School of Business Bachelor of Science degree program, subject to capacity availability. Students may be assigned to a specific campus.*Because Arizona State University computes GPAs differently than the Maricopa Community College District, admission to the BS program can only be certified after ASU calculates and certifies the GPA. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGECE-B Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•		•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
COM 225: Public Speaking	3	•		•	C	
Mathematical Studies						
MAT 212: Brief Calculus	3	•	•		C	
CIS 105: Survey of Computer Information Systems	3	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Select one Sociology course that transfers to ASU with SOC prefix.	3	•		•	C	
Select one Psychology course that transfers to ASU with a PGS prefix.	3	•		•	C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Natural Science - Select at least

one SQ within the Natural Science requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C]

0-3

■

C

Lower Division Historical or Global [H] or [G]

0-3

■

C

Additional Lower Division Requirements

ECN 211: Macroeconomic Principles
SUN# ECN 2201

3

■

■

■

C

ECN 212: Microeconomic Principles
SUN# ECN 2202

3

■

■

■

C

ACC 211: Financial Accounting SUN#
ACC 2201 AND
ACC 212: Managerial Accounting SUN#
ACC 2202 OR
ACC 111: Accounting Principles I AND
ACC 230: Uses of Accounting
Information I AND
ACC 240: Uses of Accounting
Information II SUN#ACC 2202

6

■

■

C

COM 230: Small Group Communication

0-3

■

C

The Accountancy BS requires that students also complete COM 230 (in addition to COM 225). COM 230 may be taken after transfer to ASU.

GBS 205: Legal, Ethical, and Regulatory Issues in Business

3

■

C

GBS 221: Business Statistics

3

■

■

C

MAT 217: Mathematical Analysis for Business

3

■

■

C

Lower Division Business Electives --
Select 2 courses (6 hours) from the
following: CIS114DE, CIS133DA,
CIS162AD, GBS151, GBS233, GBS220,
(GBS110 OR MGT251), IBS101,
MGT253, MKT271, PAD 100, REA179,
REA180, or SBU200.

6

■

C

Lower Division Business Elective - Select in consultation with a community college advisor.

3.0 cumulative transfer GPA

Required Credits

62

2014-2015 Catalog Year - MAPP

Actuarial Science, BS

ASU Major

Actuarial Science, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Actuarial Science BS degree program. Special Requirements: 2.0 GPA in course work used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. Students must pass ECN 211, ECN 212, MAT 221, MAT 231 and MAT 241 with a grade of B or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
COM 225: Public Speaking	3	•		•	C	
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  MAT 2220	4	•	•		B	
CIS 105: Survey Of Computer Information  CIS 1120	3	•		•	C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Sciences						
ECN 211: Macroeconomic Principles  ECN 2201	3	•	•		B	
ECN 212: Microeconomic Principles  ECN 2202	3	•	•		B	
Natural Science						
Lower Division Natural Sciences	8	•			C	Natural Science Requirement: complete at least one SQ. Select eight (8) semester credits of either general chemistry CHM151 & CHM151LL and CHM152 & CHM152LL OR

Eight (8) semester credits of university physics PHY115 & PHY116 or PHY121 & PHY131 OR Eight (8) semester credits of general biology, BIO181 & BIO182 appropriate to the major

AGEC Awareness Areas

Lower Division Lower Division Cultural Diversity in the US [C]	0-3	•	C
Lower Division Lower Division Historical or Global [H] or [G]	0-3	•	C
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0	•	C
CRE 101: College Critical Reading (or Equivalent)	0-3	•	C

Options

MAT 230: Calculus With Analytic Geometry II  MAT 2230 OR MAT 231: Calculus With Analytic Geometry II  MAT 2230	4-5	•	B
MAT 240: Calculus With Analytic Geometry III  MAT 2241 OR MAT 241: Calculus With Analytic Geometry III  MAT 2241	4-5	•	B

Additional Lower Division Requirements

Lower Division Elective	16-0	•	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits

60

2014-2015 Catalog Year - MAPP

African & African American Studies BA

ASU Major

African and African American Studies, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the African and African American Studies B.A. degree program in either the African Studies or African Diaspora Studies. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas						
Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Historical or Global [H] or [G]	0-3	•			C	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR
COM 110: Interpersonal Communication
OR
COM 225: Public Speaking OR
COM 230: Small Group Communication

0-3



C

CRE 101: College Critical Reading

0-3



C

Complete CRE 101 or
equivalent.

Additional Lower Division Requirements

Lower Division Second Language:
Requirement satisfied through the
following: Completion of a language
course at the intermediate level (202 or
equivalent), including American Sign
Language IV

0-16



C

Select 101, 102, 201, 202 as
needed to reach 4th semester
proficiency. You may select
specific courses from the
Course Equivalency Guide that
satisfy these criteria.
Determination is made based
on the semester and year the
course is taken.

Lower Division Select one course that
transfers to ASU as a course equivalent or
department elective (DEC) in the
following ASU prefixes: AFS, AFR, or
AFH; or select one of the following
courses: ENH 115, HIS 204, MHL 147,
REL 225, STO 283

3



C

You may select specific
courses from the Course
Equivalency Guide that satisfy
these criteria. Determination is
made based on the semester
and year the course is taken.

Lower Division Elective

22-0



C

Lower Division Electives
should be completed once all
other requirements have been
met and only if needed to
complete community college's
associate degree requirements.

Required Credits**60**

2014-2015 Catalog Year - MAPP

American Indian Studies BS

ASU Major

American Indian Studies, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the American Indian Studies B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	Select at least one SQ within the Natural Science requirement.
AGEC Awareness Areas						
Lower Division Global Awareness [G]	0-3	•		•	C	
Lower Division Historical Awareness [H] and American Cultural Diversity [C]	0-3	•		•	C	Satisfied by AIS 160/SOC 160.

Additional Lower Division Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■			C	
CRE 101: College Critical Reading	0-3	■			C	Complete CRE 101 or equivalent.
AIS 105: Introduction To American Indians Studies OR SOC 105: Introduction to American Indians Studies	3			■	C	
AIS 160: American Indian Law OR SOC 160: American Indian Law	3			■	C	
NAV 101: Elementary Navajo I AND NAV 102: Elementary Navajo II	0-8			■	C	NAV 101 or 102 may be completed after transfer to ASU.
Lower Division Elective	19-0			■	C	
Required Credits	60					

2014-2015 Catalog Year - MAPP

American Studies BA

ASU Major

American Studies, BA - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the American Studies B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•	•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•	•	C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	Select at least one SQ within the Natural Science requirement.
AGEC Awareness Areas						
Lower Division Cultural Diversity in the US	0-3	•			C	
Lower Division Historical or Global	0-3	•			C	

MCCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR
COM 110: Interpersonal Communication
OR
COM 225: Public Speaking OR
COM 230: Small Group Communication

0-3



C

CRE 101: College Critical Reading

0-3



C

Complete CRE 101 or
equivalent.**Additional Lower Division Requirements**

HIS 103: United States History to 1865

3



C

HIS 104: United States History 1865 to
Present

3



C

Lower Division Select two courses that
transfer to ASU as direct equivalents or
Departmental Elective credit (DEC) in the
following ASU prefixes: AMS, ENG, HIS

6



C

Fulfills 6 credit hours of Focus
Area Elective hours.

Lower Division Second Language:
Requirement satisfied through the
following: Completion of a language
course at the intermediate level (202 or
equivalent), including American Sign
Language IV OR Completion of two
sequential semesters of coursework in a
current computer language

0-16



C

You may satisfy the Language
and Cultures requirement by
completion of an intermediate
language course or the
computer language sequence;
or, you may satisfy the
requirement after transfer to
ASU through various upper
division course options. If
choosing the computer
language option, select courses
that transfer to ASU as CSE
110 and CSE 205.

Lower Division Elective

13-0



C

Required Credits**60**

2014-2015 Catalog Year - MAPP

Anthropology BA

ASU Major

Anthropology, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Anthropology B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition SUN#ENG 1101 OR ENG 107: First-Year Composition for ESL	3	■	■		C	
ENG 102: First-Year Composition SUN#ENG 1102 OR ENG 108: First-Year Composition for ESL	3	■	■		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	■			C	
Mathematical Studies						
MAT 142: College Mathematics	3	■	■		C	
PSY 230: Introduction to Statistics OR MAT 206: Elements of Statistics OR SWU 225: Statistics for Social Research/Justice and Government OR JAS 225: Statistics for Social Researchers	3	■	■		C	Fulfills Computer/Statistics/Quantitative Applications [CS] requirement
Humanities and Fine Arts						
ASB 222: Buried Cities and Lost Tribes: Old World OR ASB 223: Buried Cities and Lost Tribes: New World	3	■	■		C	
Lower Division Humanities and Fine Arts	3	■			C	
Social and Behavioral Science						
ASB 102: Culture in a Globalizing World	3	■	■		C	

Lower Division Social and Behavioral Science	3	-		C	
Natural Science					
ASM 104: Bones, Stones, and Human Evolution	4	■	■	C	
Lower Division Natural Science	4	■		C	Select an SQ (Science Quantitative) course.
AGEC Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0-3	■		C	
Lower Division Historical or Global [H] or [G]	0	■		C	3 hours [G, H] met with ASB 222/ASB 223.
Additional Lower Division					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■		C	
CRE 101: College Critical Reading	0-3	■		C	Complete CRE 101 or equivalent.
Additional Lower Division Requirements					
Lower Division Second Language: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16		■	C	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	25-0		■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60				

2014-2015 Catalog Year - MAPP

Applied Biological Sciences (Applied Biological Sciences) BS

ASU Major

Applied Biological Sciences (Applied Biological Sciences), BS - School of Letters and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Applied Biological Sciences (Applied Biological Sciences) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•		•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 212: Brief Calculus	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	
Natural Science						
BIO 181: General Biology (Majors) I  OR BIO 1181	4	•	•		C	
BIO 182: General Biology (Majors) II  OR BIO 1182	4	•	•		C	
AGEC Awareness Areas						
Lower Division Cultural Diversity in the US	0-3	•			C	
Lower Division Historical or Global	0-3	•			C	

Additional Lower Division					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C	
CRE 101: College Critical Reading	0-3	•		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements					
PHY 101: Introduction to Physics OR PHY 111: General Physics I  PHY 1111 AND PHY 112: General Physics II  PHY 1112	4-8		•	C	
CHM 151: General Chemistry I  CHM 1151 AND CHM 151LL: General Chemistry I Laboratory  CHM 1151 OR CHM 151AA: General Chemistry I  CHM 1151 OR CHM 150AA: General Chemistry I  CHM 1151	4-5		•	C	
CHM 152: General Chemistry II  CHM 1152 AND CHM 152LL: General Chemistry II Laboratory  CHM 1152	4		•	C	
CHM 230: Fundamental Organic Chemistry  CHM 2230 AND CHM 230LL: Fundamental Organic Chemistry Laboratory  CHM 2230 OR CHM 235: General Organic Chemistry I  CHM 2235 AND CHM 235LL: General Organic Chemistry I Laboratory  CHM 2235 AND CHM 236: General Organic Chemistry IIA  CHM 2236 AND CHM 236LL: General Organic Chemistry IIA Laboratory  CHM 2236	4-8		•	C	Select either CHM 230/230LL or CHM 235/235LL & CHM 236/236LL sequence.
BIO 201: Human Anatomy and Physiology I  BIO 2201 OR BIO 202: Human Anatomy and Physiology II  BIO 2202 OR BIO 205: Microbiology  BIO 2205	4		•	C	
Lower Division Elective	5-0		•	C	
Required Credits	60				

2014-2015 Catalog Year - MAPP

Applied Biological Sciences (Applied Ecology and Preveterinary Medicine) - BS

ASU Major

Applied Biological Sciences (Applied Ecology and Preveterinary Medicine), BS - School of Letters and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA-A, meets major map requirements at ASU and guarantees admission to the Applied Biological Sciences (Applied Ecology and Preveterinary Medicine) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•		•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 212: Brief Calculus	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
BIO 181: General Biology (Majors) I  OR BIO 1181	4	•	•		C	
BIO 182: General Biology (Majors) II  OR BIO 1182	4	•	•		C	
AGEC Awareness Areas						
Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Historical or Global [H] or	0-3	•			C	

[G]

MCCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C

CRE 101: College Critical Reading	0-3	•	C	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

BIO 270: Sustainable Biological Systems	3		C

CHM 151: General Chemistry I  CHM 1151 AND CHM 151LL: General Chemistry I Laboratory  CHM 1151 OR CHM 151AA: General Chemistry I  CHM 1151 OR CHM 150AA: General Chemistry I  CHM 1151	4-5	•	C

CHM 152: General Chemistry II  CHM 1152 AND CHM 152LL: General Chemistry II Laboratory  CHM 1152	4	•	C

CHM 230: Fundamental Organic Chemistry  CHM 2230 AND CHM 230LL: Fundamental Organic Chemistry Laboratory  CHM 2230	4	•	C

PHY 101: Introduction To Physics OR PHY 111: General Physics I  PHY 1111 AND PHY 112: General Physics II  PHY 1112	4-8	•	C

Lower Division Elective	6-5	•	C

Required Credits	60		

2014-2015 Catalog Year - MAPP

Applied Mathematics

ASU Major

Applied Mathematics, BS - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Applied Mathematics B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition For ESL	3	•		•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition For ESL	3	•		•	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	Recommend selecting a course that satisfies L (Literacy and Critical Inquiry) and SB (Social and Behavioral Sciences) OR L (Literacy and Critical Inquiry) and HU (Humanities and Fine Arts) or L (Literacy and Critical Inquiry) and COM or L (Literacy and Critical Inquiry) and CRE101 requirements simultaneously.
Mathematical Studies						
MAT 221: Calculus With Analytic Geometry I  MAT 220	4	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Natural Science: complete at least

one SQ. Select eight (8) semester credits of either general chemistry CHM151 & CHM151LL and CHM152 & CHM152LL OR Eight (8) semester credits of university physics PHY115 & PHY116 or PHY121 & PHY131 OR Eight (8) semester credits of general biology, BIO181 & BIO182 appropriate to the major

AGEC Awareness Areas

Lower Division Cultural Diversity in the US	0-3	■		C
Lower Division Global or Historical	0-3	■		C

Subject Options

MAT 230: Calculus With Analytic Geometry II  MAT 2230 OR MAT 231: Calculus With Analytic Geometry II  MAT 2230	4-5	■	■	C
MAT 240: Calculus With Analytic Geometry III  MAT 2241 OR MAT 241: Calculus With Analytic Geometry III  MAT 2241	4-5	■	■	C

MCCCD Additional Requirements

COM 100: Introduction To Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■		C
CRE 101: College Critical Reading	0-3	■		C

Complete CRE 101 or equivalent

Additional Lower Division Requirements

MAT 276: Modern Differential Equations	4			C
CSC 110: Introduction To Computer Science (Java) OR CSC 200AA: Principles of Computer Science OR CSC 200AB: Principles of Computer Science OR CSC 110AA: Introduction To Computer Science OR CSC 110AB: Intro To Computer Science (Java)	3-4		■	C
CSC 200: Principles of Computer Science (Java)	3		■	C
Lower Division Elective	9-0		■	C

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits

60

2014-2015 Catalog Year - MAPP

Applied Mathematics for the Life and Social Sciences BS

ASU Major

Applied Mathematics for Life and Social Sciences, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Applied Mathematics for the Life and Social Sciences B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Year Composition for ESL  ENG 1101	3	•	•		C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	•			C	Recommend selecting a course which satisfies L (Literacy and Critical Inquiry) and SB (Social & Behavioral Sciences) OR L and HU (Humanities and Fine Arts) OR L and COM OR L and CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  MAT 2220	4	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	3	•			C	
ASB 102: Culture in a Globalizing World II OR PSY 101: Introduction to Psychology OR SOC 101: Introduction to Sociology	3	•		•	C	

SUN#SOC 1101 OR
 POS 110: American National
 Government **SUN#**POS 1110 OR
 CFS 205: Human Development OR
 GCU 102: Introduction to Human
 Geography

Natural Science

BIO 181: General Biology (Majors) I 4 • • C
SUN# BIO 1181

BIO 182: General Biology (Majors) II 4 • • C
SUN# BIO 1182

Subject Options

MAT 231: Calculus with Analytic
 Geometry II **SUN#** MAT 2230 4 • • C

MAT 241: Calculus with Analytic
 Geometry III **SUN#** MAT 2241 4 • • C

AGEC Awareness Areas

Lower Division Cultural Diversity in the
 US [C] 0-3 • C

Lower Division Historical or Global [H]
 or [G] 0-3 • C

MCCCD Additional Requirements

COM 100: Introduction to Human
 Communication **SUN#**COM 1100 OR
 COM 110: Interpersonal
 Communication OR
 COM 225: Public Speaking OR
 COM 230: Small Group Communication 0-3 • C

CRE 101: College Critical Reading 0-3 • C Complete CRE 101 or equivalent.

Additional Lower Division Requirements

MAT 262: Differential Equations **SUN#** 3 • C
 MAT 2262 OR
 MAT 277: Modern Differential
 Equations

CSC 100: Introduction to Computer
 Science (C++) OR
 CSC 100AA: Introduction to Computer
 Science (C++) OR
 CSC 110: Introduction to Computer
 Science (Java) OR
 CSC 110AA: Introduction to Computer
 Science (Java) OR
 CSC 100AB: Intro To Computer Science
 (C++) OR
 CSC 110AB: Intro To Computer Science
 (Java) 3-4 • C

Lower Division Elective 16-0 • C Lower Division Electives should
 be completed once all other
 requirements have been met and
 only if needed to complete
 community college's associate
 degree requirements.

Required Credits

60

2014-2015 Catalog Year - MAPP

Art (Art History) BA

ASU Major

Art (Art History), BA - Herberger Institute for Design and the Arts

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Art (Art History) B.A. degree program.
Special Requirements: 3.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First Year Composition  OR ENG 107: First Year Composition for ESL	3	•	•		B	ENG 101, ENG 102, ARH 101, and ARH 102 must be completed with a grade "B" or higher.
ENG 102: First Year Composition  OR ENG 108: First Year Composition for ESL	3	•	•		B	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•		•	C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
ARH 101: Prehistoric Through Gothic Art  ART 1101	3	•	•		B	
ARH 102: Renaissance Through Contemporary Art  ART 1102	3	•	•		B	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ within the Natural Science requirement.

AGEC Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	•	C	
Lower Division Historical or Global [H] or [G]	0	•	C	3 hrs [H] satisfied by ARH 101 or ARH 102.
Additional Lower Division				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C	
CRE 101: College Critical Reading	0-3	•	C	Complete CRE 101 or equivalent
Additional Lower Division Requirements				
Lower Division Second Language: Requirement satisfied through the following: OR Completion of language course at the intermediate level (course must transfer to ASU at the 202 level or above). American Sign Language does not fulfill the degree requirements.	0-16	•	C	Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. American Sign Language does not fulfill the degree requirements You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
ADA 101: Basic Drawing and Composition or ART 111: Drawing I or ART 290BC: Studio Art: Drawing  ART 1111 OR ADA 112: Two-Dimensional Design or ART 112: Two-Dimensional Design OR ART 113: Color or ART 290JC: Studio Art: Color OR ADA 115: Three-Dimensional Design or ART 115: Three-Dimensional Design OR ART 131: Photography I	9	•	C	Art Electives: Select a total of three courses from the five sets of courses listed. Only one course may be selected from each given set. Choose from: [ADA 101 or ART 111 or ART 290BC], OR [ADA 112 or ART 112], OR [ART 113 or ART 290JC], OR [ADA 115 or ART 115], OR ART 131.
Elective	16-0	•	C	
Required Credits	60			

2014-2015 Catalog Year - MAPP

Art (Art Studies) BA

ASU Major

Art (Art Studies), BA - Herberger Institute for Design and the Arts

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU. The MAPP for the BA in Art Studies is provided as a transfer pathway for students wishing to complete their BA in Art Studies at ASU. Students may choose to pursue a BFA in Art concentration instead. Information on BFA requirements and application information is provided below to assist students. Students are encouraged to speak with a Herberger Institute advisor by the end of their third term of their MAPP regarding the transfer process and degree offerings. Information on advising and scheduling an appointment can be found here:

<http://art.asu.edu/students/undergrad/advising.php>. A portfolio review is required for admission into the BFA in Art concentrations. Students wishing to pursue the BFA in Art at ASU should plan to submit their application and portfolio review during the last semester of enrollment at the community college (the semester before they plan to enroll at ASU). For more information about the process and requirements, please visit: <http://art.asu.edu/admissions/undergrad/applying/portfolio.php>. Should a student not be selected for the BFA degree based on the portfolio review, they will have the opportunity to complete the BA in Art Studies. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program	ASU Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition							
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•				C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•				C	
Literacy and Critical Inquiry							
Literacy and Critical Inquiry	3	•				C	Literacy and Critical Inquiry: Recommend selecting COM 225 to fulfill two requirements simultaneously.
Mathematical Studies							
MAT 142: College Mathematics	3	•			•	C	
Lower Division Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•				C	
Humanities and Fine Arts							
ARH 101: Prehistoric through Gothic Art  ART 1101	3	•		•	•	C	Humanities and Fine Arts: ARH 101 or ARH102 also fulfills Historical [H] awareness area.
ARH 102: Renaissance through Contemporary Art  ART 1102	3	•		•	•	C	

Social and Behavioral Science

Lower Division Social and Behavioral Science	6	•			C	Select a course which satisfies SB (Social & Behavioral Sciences) and the AGEC Cultural Diversity awareness [C] area.

Natural Science

Lower Division Natural Science	8	•			C	Select at least one SQ within the Natural Science requirement.

AGEC Awareness Areas

Lower Division Cultural Diversity in the US	0-3	•			C	
Lower Division Historical or Global	0	•			C	

Additional Lower Division

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		•	C	

CRE 101: College Critical Reading	0-3	•			C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

ART 111: Drawing I  ART 1111	3		•	•	C	

ART 112: Two-dimensional Design OR ADA 112: Two-dimensional Design	3		•	•	C	

ART 113: Color or ART 116: Life Drawing I	3		•	•	C	ART 113/ART 116 Requirement: BFA Intermedia Track majors must take ART 116. Photography students may choose ART 113 or 116. All other majors must take ART 113.

ART 115: Three-dimensional Design  ART 1115 OR ADA 115: Three-dimensional Design  ART 1115	3		•	•	C	

Performing Arts Elective: Select three credit hours from the performing arts elective list.	3			•	C	

Additional Art Foundation courses: Complete 1 2D course, 1 3D course, and 2 additional 2D and/or 3D courses. See Tracks below for course listings. Please Note: Students wishing to pursue the Bachelor of Fine Arts degree should carefully review the track group course list and notes for specific course requirements.	12			•	C	

Required Credits**62**

2D Courses ART 116: Life Drawing I OR ART 122: Drawing & Composition II OR ART 131: Photography I OR ART 132: Photography II OR ART 165: Watercolor Painting I OR ART 167: Painting I OR ART 250: Introduction to Printmaking	3D Courses ART 151: Sculpture I OR ART 161: Ceramics I OR ART 277: Textiles I	Performing Arts Electives DAN Elective OR Lower Division HUM 205: Introduction to Cinema OR THF 205: Introduction to Cinema OR MHL Elective OR MTC Elective (Not from MTC 103). OR MUC Elective (not from MUC 194, MUC 210, MUC 211, MUC 274AB, MUC 297AA, MUC 297AB, or MUC 297AC). OR MUE Elective OR MUP Elective OR TCM Electives: TCM 111 and 211, TCM 120, TCM 134, TCM 136, TCM 145, TCM 202, TCM 213AA, TCM 220, TCM 230, TCM 240, TCM 248, TCM 250, TCM 263, TCM 265, and TCM 275. OR THE/THF Elective (not from THE 206, THF 210, HUM 210, THE 282AA, THE 282AB, or THE 282AC) OR THP/THF Elective (not from THF 120AA, THF 120AB, THP 241, COM 241 or THP 268)
Arts Education BFA Track Complete one course from 2D course list, one course from 3D course list, and one additional course from either the 2D or 3D course list.	Ceramics BFA Track ART 161: Ceramics I AND Complete one course from the 2D course list, one course from the 3D course list, and one additional course from either the 2D or 3D course list.	Drawing BFA Track ART 116: Life Drawing I AND ART 122: Drawing & Composition II AND Complete one course from the 3D course list and one additional course from either the 2D or the 3D course list.
Intermedia BFA Track Complete one course from the 2D course list, one course from the 3D course list, and one additional course from either the 2D or 3D course list. AND Note: Students choosing the Intermedia BFA Track must also take ART 116 instead of ART 113.	Fibers BFA Track ART 277: Textiles I AND Complete one course from the 2D course list, one course from the 3D course list, and one additional course from either the 2D or 3D course list.	Printmaking BFA Track ART 250: Introduction to Printmaking AND Choose one course from the 2D course list, one course from the 3D course list, and one additional course from either the 2D or 3D course list.
Photography BFA Track ART 131: Photography I AND ART 132: Photography II AND Choose one course from the 3D course list. AND Note: Students choosing the Photography BFA Track may take ART 116 instead of ART 113.	Sculpture BFA Track ART 151: Sculpture I AND Choose one course from the 2D course list and one additional course from either the 2D or 3D course list.	Metals BFA Track Complete one course from the 2D course list, one course from the 3D course list, and one additional course from either the 2D or 3D course list.
Painting BFA Track ART 167: Painting I AND ART 165: Watercolor Painting I AND Choose one course from the 3D course		

list and one additional course from either
the 2D or 3D course list.

2014-2015 Catalog Year - MAPP

Art (Museum Studies) BA

ASU Major

Art (Museum Studies), BA - Herberger Institute for Design and the Arts

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Art (Museum Studies) B.A. degree program. Special Requirements: 3.0 GPA in coursework used to satisfy MAPP requirements. The following courses must be completed with a grade of "B" or higher: ENG 101/107, ENG 102/108, ARH 101, ARH 102. All remaining courses must be completed with a grade of "C" or higher.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First Year Composition  OR ENG 107: First Year Composition for ESL	3				B	ENG 101 & 102 and ARH 101 & 102 must be completed with a grade "B" or higher.
ENG 102: First Year Composition  OR ENG 108: First Year Composition for ESL	3				B	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3				C	
Mathematical Studies						
MAT 142: College Mathematics	3				C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3				C	
Humanities and Fine Arts						
ARH 101: Prehistoric Through Gothic Art  ART 1101	3				B	
ARH 102: Renaissance Through Contemporary Art  ART 1102	3				B	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6				C	
Natural Science						
Lower Division Natural Sciences	8				C	Select at least one SQ within the Natural Science requirement.

AGEC Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	■	C	
Lower Division Historical or Global [H] or [G]	0	■	C	3 hrs [H] satisfied by ARH 101 or ARH 102.
Additional Lower Division				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C	
CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent.
Additional Lower Division Requirements				
Lower Division Second Language: Requirement satisfied through the following: Completion of language course at the intermediate level (202 or equivalent, NOT including American Sign Language.	0-16	■	C	Second language requirement: select 101, 102, 201, 202 as needed to reach 4th semester proficiency. American Sign Language does not fulfill the degree requirements.
ARH 201: Art of Asia	3	■	C	
GBS 151: Introduction to Business OR GBS 206: Business Law (UCC) OR IBS 101: Introduction to International Business OR IBS 109: Cultural Dimension for International Trade OR MGT 130: Women in Management OR MGT 160: Project Management OR MKT 101: Introduction to Public Relations OR MKT 263: Advertising Principles OR MKT 271: Principles of Marketing OR PAD 101: Survey of Public Administration OR PAD 104: Management in the Public Sector I OR REC 210: Leisure Delivery Systems OR REC 120: Leisure and the Quality of Life	3	■	C	
Lower Division Elective	19-3		C	
Required Credits	60			

2014-2015 Catalog Year - MAPP

Arts (BA in the Arts)--Arts Administration B.A.

ASU Major

Arts (BA in the Arts), BA - Herberger Institute for Design and the Arts

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Arts (BA in Arts)--Arts Administration degree program. Special Requirements: 2.0 GPA in course work used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A	Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition							
ENG 101: First-Year Composition  OR ENG 107: First-Composition for ESL	3	•	•	•	•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•	•	•	C	
Literacy and Critical Inquiry							
Lower Division Literacy and Critical Inquiry	3	•	•		•	C	
Mathematical Studies							
MAT 142: College Mathematics OR MAT 152: College Algebra/Functions  MAT 1151	3	•	•	•	•	C	
Lower Division Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•	•		•	C	
Humanities and Fine Arts							
Lower Division Humanities and Fine Arts	6	•	•		•	C	HU - Select two courses that also meet Arts Administration Focus Area requirements.
Social and Behavioral Sciences							
Lower Division Social and Behavioral Sciences	6	•	•		•	C	
Natural Science							
Lower Division Natural Sciences	8	•	•		•	C	Natural Science: Complete at least one SQ.
AGEC Awareness Areas							
Lower Division Lower Division Cultural	0-3	•	•		•	C	

Diversity in the US [C]						
Lower Division Lower Division Historical or Global [H] or [G]	0-3	•	•	•	C	
Additional Lower Division						
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	•		C	
CRE 101: College Critical Reading (or Equivalent)	0-3	•	•		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements						
Arts Administration Focus Area	16-6			•	C	Arts Administration Focus Area: Take up to 16 credits from the tracks listed below, at minimum 3 credits from the Historical Studies Course Track, 6 credits from the Arts Disciplinary Track and 6 credits from the Related Studies Track must be completed before transfer.
Lower Division Elective	9-4			•	C	

Required Credits

60

Historical Studies with Asian/African/Native Am./Latin Am. Focus

ARH 118: Introduction to Chinese Art OR
ARH 201: Art of Asia OR
DAH 201: World Dance Studies OR
MHL 143: Music in World Cultures

Arts Discipline and Practice

ARH 101: Prehistoric through Gothic Art  ART 1101 OR
ARH 102: Renaissance Through Contemporary Art  ART 1102 OR
DAH 201: World Dance Studies OR
MHL 143: Music in World Cultures OR
MHL 241: Music History and Literature to 1750 OR
MHL 242: Music History and Literature 1750 to Present OR
MTC 105: Music Theory I & MTC 106: Aural Perception 1 OR
MTC 180: Computer Literacy for Musicians OR
MTC 155: Music Theory II & MTC 156: Aural Perception II OR
MTC 205: Music Theory III & MTC 206: Aural Perception III  MUS 2222 OR
MTC 255: Music Theory IV & MTC 256: Aural Perception IV  MUS 2223 OR
THE 118: Playwriting OR
Lower Division THF 205: Introduction to Cinema or HUM 205: Introduction to Cinema OR
THE 220: Modern Drama  THE 2220 OR

Administration and Leadership

DAN 210: Dance Production I OR
DAN 211: Dance Production II OR
THP 201AA: Theater Production I OR
THP 201AB: Theater Production II OR
THP 203: Technical Theatre Production

Any course that transfers as a DCE, ART, MUP, FMP, THE, or THP direct equivalency or department elective (DEC).

Related Studies

REC 210: Leisure Delivery Systems OR
HRM 160: Tourism Principles &
Practices

2014-2015 Catalog Year - MAPP

Asia Studies (East Asia) BA

ASU Major

Asia Studies (East Asia), BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Asia Studies (East Asia) B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•	•		C	Select HU and SB courses that concurrently satisfy Outside East Asia, East Asia, or Across Asia concentration courses. A maximum of two courses may be selected from the Across Asia concentration.
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•	•		C	Select HU and SB courses that concurrently satisfy Outside East Asia, East Asia, or Across Asia concentration courses. A maximum of two courses may be selected from the Across Asia concentration.

Natural Science			
Lower Division Natural Sciences	8	■	C Select at least one SQ within the Natural Science requirement.
AGEC Awareness Areas			
Lower Division Cultural Diversity in the US [C]	0-3	■	C
Lower Division Historical or Global [H] or [G]	0-3	■	C ARH 201 will satisfy Historical [H] and Global [G] Awareness requirement.
Additional Lower Division			
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C
CRE 101: College Critical Reading	0-3	■	C Complete CRE 101 or equivalent
Additional Lower Division Requirements			
Lower Division Second Language: Requirement satisfied through the following: Select from Chinese, Japanese, or Korean.	0-20	■	C Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. Select from Chinese, Japanese, or Korean.
Lower Division Concentration Courses	9	■	C Lower Division Concentration Courses: Select three courses from any of the 3 concentrations (East Asia, Across Asia, Outside East Asia). A maximum of 2 courses may be selected from the Across Asia concentration.
Lower Division Elective	16-0	■	C
Required Credits	60		

Outside East Asia Concentration

HIS 273: US Experience in Vietnam 1945-1975

Across Asia Concentration

ARH 201: Art of Asia OR
HIS 113: History of Eastern Civilizations to 1850 OR
HIS 114: History of Eastern Civilizations 1850 to Present OR
REL 202: Classics of Asian Religions OR
PHI 245: Introduction to Eastern Philosophy OR
ARH 118: Introduction To Chinese Art

East Asia Concentration

HIS 271: History of the Far East to 1900 OR
HIS 272: History of the Far East 1900 to Present OR
ARH 118: Introduction to Chinese Art

2014-2015 Catalog Year - MAPP

Asian Languages - Chinese BA

ASU Major

Asian Languages (Chinese), BA - College of Liberal Arts and Sciences

Special Requirements

Completion of MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Asian Languages - Chinese B.A degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a "C" or better. 2.33 GPA required in CHI 101, CHI 102, CHI 201, CHI 202.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	Select at least one SQ within the Natural Science requirement.
AGEC Awareness Areas						
Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Historical or Global [H] or [G]	0	•			C	Global Awareness [G] may be satisfied by CHI 201 or CHI

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C

Additional Lower Division

CRE 101: College Critical Reading	0-3	■	C

Additional Lower Division Requirements

CHI 101: Elementary Chinese (Mandarin) I	5	■	C	Demonstrated proficiency in Chinese language at or above the 202 level is required for enrollment in upper division major requirements courses.
CHI 102: Elementary Chinese (Mandarin) II	5	■	C	
CHI 201: Intermediate Chinese I	5	■	C	
CHI 202: Intermediate Chinese II	5	■	C	Humanities and Fine Arts [HU] or Social and Behavioral Science [SB] can be met by SLC 201 lower division requirement.
ENG 213: Introduction To The Study Of Language OR SLC 201: Introduction to Linguistics	3	■	C	
Lower Division Elective	2-0	■	C	

2.33 cumulative GPA in CHI 101:
Elementary Chinese (Mandarin) I, CHI
102: Elementary Chinese (Mandarin) II,
CHI 201: Intermediate Chinese I, CHI 202:
Intermediate Chinese II

Required Credits	60

2014-2015 Catalog Year - MAPP

Asian Languages - Japanese BA

ASU Major

Asian Languages (Japanese), BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Asian Languages - Japanese B.A. degree program. Special requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a "C" or better. 2.33 GPA required in all tracked courses for the major: JPN 101, JPN 102, JPN 201, JPN 202.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	Humanities and Fine Arts [HU] or Social and Behavioral Science [SB] can be met by SLC 201 lower division requirement.
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	Select at least one SQ within the Natural Science requirement.

AGEC Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	—		C	
Lower Division Historical or Global [H] or [G]	0-3	•		C	Global Awareness [G] satisfied by JPN 201.
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C	
CRE 101: College Critical Reading	0-3	•		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements					
JPN 101: Elementary Japanese I	5		•	C	Demonstrated proficiency in Japanese language at or above the 202 level is required for enrollment in upper division major requirements courses.
JPN 102: Elementary Japanese II  JPN 1102	5		•	C	
JPN 201: Intermediate Japanese I  JPN 2201	5		•	C	
JPN 202: Intermediate Japanese II	5		•	C	
SLC 201: Introduction to Linguistics OR ENG 213: Introduction to the Study of Language II	3		•	C	
Lower Division Elective	2-0		•	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
2.33 cumulative GPA in JPN 101: Elementary Japanese I, JPN 102: Elementary Japanese II, JPN 201: Intermediate Japanese I, JPN 202: Intermediate Japanese II					
Required Credits	60				

2014-2015 Catalog Year - MAPP

Biochemistry BA

ASU Major

Biochemistry, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Biochemistry B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Year Composition for ESL	3	■	■		C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	■	■		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	■			C	Recommend selecting a course which satisfies L (Literacy and Critical Inquiry) and SB (Social & Behavioral Sciences) OR L and HU (Humanities and Fine Arts) OR L and COM OR L and CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  MAT 220	4	■	■		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	■			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	■			C	
Natural Science						
CHM 151: General Chemistry I  CHM 1151 AND CHM 151LL: General Chemistry I	4-5	■	■		C	

Laboratory  CHM 1151 OR CHM 151AA: General Chemistry I  CHM 1151 OR CHM 150AA: General Chemistry I  CHM 1151					
CHM 152: General Chemistry II  CHM 1152 AND CHM 152LL: General Chemistry II Laboratory  CHM 1152	4	■	■		C
Subject Options					
BIO 181: General Biology (Majors) I  BIO 1181	4	■	■		C
BIO 182: General Biology (Majors) II  BIO 1182	4	■	■		C
General Education Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0-3	■			C
Lower Division Historical or Global [H] or [G]	0-3	■			C
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■			C
CRE 101: College Critical Reading	0-3	■			C Complete CRE 101 or equivalent
Additional Lower Division Requirements					
PHY 101: Introduction to Physics OR PHY 101AA: Introduction To Physics OR PHY 111: General Physics I  PHY 1112 AND PHY 112: General Physics II  PHY 1112	4-8		■		C Students who are interested in medical school, must take ASU PHY 111 and PHY 113 instead of PHY 101. Students must also take ASU PHY 112 and PHY 114.
PHY 111: General Physics I	4-8			■	C
PHY 112: General Physics II  PHY 1112 B	4-8		■		C
CHM 235: General Organic Chemistry I  CHM 2235 AND CHM 235LL: General Organic Chemistry I Laboratory  CHM 2235	4		■		C
CHM 236: General Organic Chemistry IIA  CHM 2236 AND CHM 236LL: General Organic Chemistry IIA Laboratory  CHM 2236	4		■		C
Lower Division Elective	6-0			■	C Lower Division Electives should be completed once all other requirements have been met and

only if needed to complete
community college's associate
degree requirements.

Required Credits

64

2014-2015 Catalog Year - MAPP

Biochemistry BS

ASU Major

Biochemistry, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Biochemistry B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Year Composition for ESL	3	■	■		C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	■	■		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	■			C	Recommend selecting a course which satisfies L (Literacy and Critical Inquiry) and SB (Social & Behavioral Sciences) OR L and HU (Humanities and Fine Arts) OR L and COM OR L and CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  MAT 220	4	■	■		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	■			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	■			C	
Natural Science						
BIO 181: General Biology (Majors) I  BIO 1181	4	■	■		C	
BIO 182: General Biology (Majors) II	4	■	■		C	

SUN# BIO 1182

Subject Options

CHM 151: General Chemistry I **SUN#** 4-5 ■ ■ C
 CHM 1151 AND
 CHM 151LL: General Chemistry I
 Laboratory **SUN#**CHM 1151 OR
 CHM 150AA: General Chemistry I
SUN#CHM 1151 OR
 CHM 151AA: General Chemistry I
SUN#CHM 1151

CHM 152: General Chemistry II **SUN#** 4 ■ ■ C
 CHM 1152 AND
 CHM 152LL: General Chemistry II
 Laboratory **SUN#**CHM 1152

AGEC Awareness Areas

Lower Division Cultural Diversity in the 0-3 ■ C
 US [C]

Lower Division Historical or Global [H] 0-3 ■ C
 or [G]

MCCCD Additional Requirements

COM 100: Introduction to Human 0-3 ■ C
 Communication **SUN#**COM 1100 OR
 COM 110: Interpersonal
 Communication OR
 COM 225: Public Speaking OR
 COM 230: Small Group Communication

CRE 101: College Critical Reading 0-3 ■ C Complete CRE 101 or equivalent

Additional Lower Division Requirements

CHM 235: General Organic Chemistry I 4 ■ C
SUN#CHM 2235 AND
 CHM 235LL: General Organic
 Chemistry I Laboratory **SUN#**CHM 2235

PHY 111: General Physics I **SUN#** PHY 4 ■ C
 1111 B

PHY 112: General Physics II **SUN#** PHY 4 ■ C
 1112 B

MAT 231: Calculus with Analytic 4 ■ C
 Geometry II **SUN#** MAT 2230

CHM 236: General Organic Chemistry 4 ■ C
 IIA **SUN#**CHM 2236 AND
 CHM 236LL: General Organic
 Chemistry IIA Laboratory **SUN#**CHM
 2236

Lower Division Elective 2-0 ■ C Lower Division Electives should
 be completed once all other
 requirements have been met and
 only if needed to complete
 community college's associate
 degree requirements.

Required Credits

60

2014-2015 Catalog Year - MAPP

Biochemistry (Medicinal Chemistry) BS

ASU Major

Biochemistry (Medicinal Chemistry), BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGECS, meets major map requirements at ASU, and guarantees admission to the Biochemistry (Medicinal Chemistry) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	■	■		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	■	■		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	■			C	Recommend selecting a course which satisfies L (Literacy and Critical Inquiry) and SB (Social & Behavioral Sciences) OR L and HU (Humanities and Fine Arts) OR L and COM OR L and CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  MAT 220	4	■	■		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	■			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	■			C	
Natural Science						
BIO 181: General Biology (Majors) I  BIO 1181	4	■	■		C	
BIO 182: General Biology (Majors) II	4	■	■		C	

SUN# BIO 1182

Subject Options

CHM 151: General Chemistry I SUN# CHM 1151 AND CHM 151LL: General Chemistry I Laboratory SUN#CHM 1151 OR CHM 151AA: General Chemistry I SUN#CHM 1151 OR CHM 150AA: General Chemistry I SUN#CHM 1151	4-5	■	■	C

CHM 152: General Chemistry II SUN# CHM 1152 AND CHM 152LL: General Chemistry II Laboratory SUN#CHM 1152	4	■	■	C

AGEC Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	■		C
Lower Division Historical or Global [H] or [G]	0-3	■		C

Additional Lower Division

COM 100: Introduction to Human Communication SUN#COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■		C

CRE 101: College Critical Reading	0-3	■		C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

PHY 111: General Physics I SUN# PHY 1111 B	4		■	C

PHY 112: General Physics II SUN# PHY 1112 B	4		■	C

CHM 235: General Organic Chemistry I SUN#CHM 2235 AND CHM 235LL: General Organic Chemistry I Laboratory SUN#CHM 2235	4		■	C

MAT 231: Calculus with Analytic Geometry II SUN# MAT 2230	4		■	C

CHM 236: General Organic Chemistry IIA SUN#CHM 2236 AND CHM 236LL: General Organic Chemistry IIA Laboratory SUN#CHM 2236	4		■	C

Lower Division Elective	2-0		■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits

60

2014-2015 Catalog Year - MAPP

Biological Sciences BS

ASU Major

Biological Sciences, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGECS, meets major map requirements at ASU, and guarantees admission to the Biological Sciences B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Year Composition for ESL	3	■	■		C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	■	■		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	■			C	Literacy and Critical Inquiry (L): Recommend selecting a course that satisfies L and SB OR L and HU OR L and COM or L and CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 221: Calculus With Analytic Geometry I  MAT 220	4	■	■		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	■			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	■			C	
Natural Science						
BIO 181: General Biology (Majors) I  BIO 1181	4	■	■		C	
BIO 182: General Biology (Majors) II  BIO 1182	4	■	■		C	

Subject Options

CHM 151: General Chemistry I  CHM 1151 AND CHM 151LL: General Chemistry I Laboratory  CHM 1151 OR CHM 150AA: General Chemistry I  CHM 1151 OR CHM 151AA: General Chemistry I  CHM 1151	4-5	•	•	C	
CHM 152: General Chemistry II  CHM 1152 AND CHM 152LL: General Chemistry II Laboratory  CHM 1152	4	•	•	C	

AGEC Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	•		C	
Lower Division Historical or Global [H] or [G]	0-3	•		C	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C	
CRE 101: College Critical Reading	0-3	•		C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

MAT 206: Elements Of Statistics  MAT 1160	3		•	C	
CHM 230: Fundamental Organic Chemistry  CHM 2230 AND CHM 230LL: Fundamental Organic Chemistry Laboratory  CHM 2230 OR CHM 235: General Organic Chemistry I  CHM 2235 AND CHM 235LL: General Organic Chemistry I Laboratory  CHM 2235	4		•	C	
CHM 236: General Organic Chemistry IIA  CHM 2236 AND CHM 236LL: General Organic Chemistry IIA Laboratory  CHM 2236	0-4		•	C	If you took CHM 235/235LL, take CHM 236/236LL to complete your Organic Chemistry requirement. You do not need to complete CHM 236/236LL if you took CHM 230/230LL.
					Wherever possible, pre-health students should take a two-semester sequence for required natural sciences.
PHY 101: Introduction To Physics	4		•	C	
BIO 220: Biology of Microorganisms	0-4		•	C	BIO 220: Satisfies the Major Core Elective. May take this course after transfer to ASU.

Lower Division Elective

16-0

C Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits

65

2014-2015 Catalog Year - MAPP

Biological Sciences (Animal Physiology & Behavior OR Genetics, Cell, & Developmental Biology) BS

ASU Major

Biological Sciences (Genetics, Cell and Developmental Biology), BS - College of Liberal Arts and Sciences

Biological Sciences (Animal Physiology and Behavior), BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGECS, meets major map requirements at ASU, and guarantees admission to the Biological Sciences (Animal Physiology & Behavior) or the Biological Sciences (Genetics, Cell, & Developmental Biology) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Year Composition for ESL	3	■	■		C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	■	■		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	■			C	Literacy and Critical Inquiry (L): Recommend selecting a course which satisfies L and COM OR CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 221: Calculus With Analytic Geometry I  MAT 220	4	■	■		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	■			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	■			C	
Natural Science						
BIO 181: General Biology (Majors) I  BIO 1181	4	■	■		C	
BIO 182: General Biology (Majors) II	4	■	■		C	

Subject Options

CHM 151: General Chemistry I SUN# CHM 1151 AND CHM 151LL: General Chemistry I Laboratory SUN#CHM 1151 OR CHM 151AA: General Chemistry I SUN#CHM 1151	4	•	•	C

CHM 152: General Chemistry II SUN# CHM 1152 AND CHM 152LL: General Chemistry II Laboratory SUN#CHM 1152 OR CHM 152AA: General Chemistry II	4	•	•	C

Subject Options: Pre-Health students should choose two semester options for chemistry and physics.

AGEC Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	•		C

Lower Division Historical or Global [H] or [G]	0-3	•		C

MCCCD Additional Requirements

CRE 101: College Critical Reading	0-3	•		C	Complete CRE 101 or equivalent

COM 100: Introduction to Human Communication SUN#COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C

Additional Lower Division Requirements

MAT 206: Elements Of Statistics SUN# MAT 1160 OR SWU 225: Statistics for Social Research/Justice and Government OR JAS 225: Statistics for Social Research/Justice and Government SUN# MAT 1160	3		•	C

CHM 230: Fundamental Organic Chemistry SUN#CHM 2230 AND CHM 230LL: Fundamental Organic Chemistry Laboratory SUN#CHM 2230 OR CHM 235: General Organic Chemistry I SUN#CHM 2235 AND CHM 235LL: General Organic Chemistry I Laboratory SUN#CHM 2235 AND CHM 236: General Organic Chemistry IIA SUN#CHM 2236 AND CHM 236LL: General Organic Chemistry IIA Laboratory SUN#CHM 2236	4-8		•	C

PHY 101: Introduction To Physics OR PHY 111AA: General Physics I SUN# PHY 1111 OR PHY 111: General Physics I SUN#PHY	4-8		•	C

1111 AND
PHY 112: General Physics II  PHY
1112

Lower Division Elective

12-10

•

C

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits

61

2014-2015 Catalog Year - MAPP

Biological Sciences (Biology & Society) BS

ASU Major

Biological Sciences (Biology and Society), BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGECS, meets major map requirements at ASU, and guarantees admission to the Biological Sciences (Biology & Society) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	•			C	Literacy and Critical Inquiry (L): Recommend selecting a course that satisfies L and SB OR L and HU OR L and COM or L and CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 221: Calculus With Analytic Geometry I  MAT 220	4	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	
Natural Science						
BIO 181: General Biology (Majors) I  BIO 1181	4	•	•		C	
BIO 182: General Biology (Majors) II  BIO 1182	4	•	•		C	

Subject Options

CHM 151: General Chemistry I 	4-5	■	■	C

CHM 1151 AND
CHM 151LL: General Chemistry I
Laboratory CHM 1151 OR
CHM 150AA: General Chemistry I
CHM 1151 OR
CHM 151AA: General Chemistry I
CHM 1151

CHM 152: General Chemistry II 	4-5	■	■	C

CHM 1152 AND
CHM 152LL: General Chemistry II
Laboratory CHM 1152 OR
CHM 152AA: General Chemistry II
CHM 1152

AGEC Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	■		C

Lower Division Historical or Global [H] or [G]	0-3	■		C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■		C

CRE 101: College Critical Reading	0-3	■		C	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

MAT 206: Elements Of Statistics  MAT 1160	3		■	C

CHM 107: Chemistry and Society AND CHM 107LL: Chemistry and Society Laboratory	4		■	C

Lower Division Elective	16-0		■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits	61

2014-2015 Catalog Year - MAPP

Biological Sciences (Conservation Biology & Ecology) BS

ASU Major

Biological Sciences (Conservation Biology and Ecology), BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGECS, meets major map requirements at ASU, and guarantees admission to the Biological Sciences (Conservation Biology & Ecology) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	■	■		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	■	■		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	■			C	Literacy and Critical Inquiry (L): Recommend selecting a course that satisfies L and SB OR L and HU OR L and COM or L and CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 221: Calculus With Analytic Geometry  MAT 220	4	■	■		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	■			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	■			C	
Natural Science						
BIO 181: General Biology (Majors) I  BIO 1181	4	■	■		C	
BIO 182: General Biology (Majors) II  BIO 1182	4	■	■		C	

Subject Options

CHM 151: General Chemistry I  CHM 1151 AND CHM 151LL: General Chemistry I Laboratory  CHM 1151 OR CHM 150AA: General Chemistry I  CHM 1151 OR CHM 151AA: General Chemistry I  CHM 1151	4-5	•	•	C	Pre-Health students should choose two-semester options for chemistry and physics courses.
CHM 152: General Chemistry II  CHM 1152 AND CHM 152LL: General Chemistry II Laboratory  CHM 1152 OR CHM 152AA: General Chemistry II  CHM 1152	4-5	•	•	C	

AGEC Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	•		C	
Lower Division Historical or Global [H] or [G]	0-3	•		C	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C	
CRE 101: College Critical Reading	0-3	•		C	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

MAT 206: Elements Of Statistics  MAT 1160	3		•	C	
CHM 230: Fundamental Organic Chemistry  CHM 2230 AND CHM 230LL: Fundamental Organic Chemistry Laboratory  CHM 2230 OR CHM 235: General Organic Chemistry I  CHM 2235 AND CHM 235LL: General Organic Chemistry I Laboratory  CHM 2235 AND CHM 236: General Organic Chemistry IIA  CHM 2236 AND CHM 236LL: General Organic Chemistry IIA Laboratory  CHM 2236	4-8		•	C	
GPH 111: Introduction to Physical Geography OR GPH 112: Introduction to Physical Geography AND GPH 113: Introduction to Physical Geography Laboratory OR GLG 101: Introduction to Geology I - Physical Lecture  GLG 1101 AND	4		•	C	

GLG 103: Introduction to Physical
 Geology I - Physical Laboratory 
 GLG 1101 OR
 PHY 101: Introduction to Physics OR
 PHY 112: General Physics II PHY
 1112

PHY 111: General Physics I	4	•	C	GPH 112 + GPH 113 = ASU's GPH 111. Pre-Health student should choose two-semester options for chemistry and physics.
Lower Division Elective	8-0	•	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	61			

2014-2015 Catalog Year - MAPP

Biophysics, BS

ASU Major

Biophysics, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGECS, meets major map requirements at ASU, and guarantees admission to the Biophysics B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. A GPA of 2.6 is required in tracked courses MAT 221, MAT 231, MAT241, PHY 121 and PHY 131.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program	ASU Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition							
ENG 101: First-year Composition  OR ENG 107: First-year Composition For ESL	3	•		•		C	
ENG 102: First-year Composition  OR ENG 108: First-year Composition For ESL	3	•		•		C	
Literacy and Critical Inquiry							
Lower Division Literacy and Critical Inquiry	0-3	•				C	Literacy [L]: Select a course which satisfies L (Literacy and Critical Inquiry) and SB (Social & Behavioral Sciences) OR L and HU (Humanities and Fine Arts) OR L and COM OR L and CRE 101 requirements simultaneously.
Mathematical Studies							
MAT 221: Calculus With Analytic Geometry  MAT 220	4	•		•		C	
Lower Division Computer/Statistics/Quantitative Applications	3	•				C	
Humanities and Fine Arts							
Lower Division Humanities and Fine Arts	6	•				C	
Social and Behavioral Sciences							
Lower Division Social and Behavioral Sciences	6	•				C	
Natural Science							
BIO 181: General Biology (Majors) I  AND BIO 1181	8	•			•	C	

BIO 182: General Biology (Majors) II

 BIO 1182

Awareness Areas

Lower Division Cultural Diversity in the U.S. [C]	0-3	•		C

Lower Division Historical [H] or Global [G] Awareness	0-3	•		C

MCCCD Additional Requirements

COM 100: Introduction To Human Communi  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C

CRE 101: College Critical Reading	3			C

Subject Options

CHM 152AA: General Chemistry II  CHM 1152 OR CHM 152: General Chemistry II AND CHM 152LL: General Chemistry Ii Laboratory	4	•	•	C

CHM 151: General Chemistry I AND CHM 151LL: General Chemistry I Laboratory OR CHM 151AA: General Chemistry I OR CHM 150AA: General Chemistry I  CHM 1151	4-5	•	•	C

Additional Lower Division Requirements

PHY 121: University Physics I: Mechanics  PHY 1121 AND PHY 131: University Physics II: Electricity & Magnetisim  PHY 1131	8		•	C

MAT 230: Calculus With Analytic Geometry II  MAT 2230 OR MAT 231: Calculus With Analytic Geometry II  MAT 2230	4-5		•	C

MAT 240: Calculus With Analytic Geometry III  MAT 2241 OR MAT 241: Calculus With Analytic Geometry III  MAT 2241	4-5		•	C

Required Credits	60			

2014-2015 Catalog Year - MAPP

Business (Communication, Global Leadership, Global Logistics Management, Global Politics, Law, Public Service and Public Policy, Sustainability, Tourism, Technology, Human Resources, Sports and Media Studies, or Urban Policy) BA

ASU Major

Business (Tourism), BA - W. P. Carey School of Business
 Business (Technology), BA - W. P. Carey School of Business
 Business (Human Resources), BA - W. P. Carey School of Business
 Business (Global Politics), BA - W. P. Carey School of Business
 Business (Global Leadership), BA - W. P. Carey School of Business
 Business (Public Service and Public Policy), BA - W. P. Carey School of Business
 Business (Sustainability), BA - W. P. Carey School of Business
 Business (Urban Policy), BA - W. P. Carey School of Business
 Business (Sports and Media Studies), BA - W. P. Carey School of Business
 Business (Global Logistics Management), BA - W. P. Carey School of Business
 Business (Communication), BA - W. P. Carey School of Business
 Business (Law), BA - W. P. Carey School of Business

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU and guarantees admission to the Business B.A. degree program. Special Requirements: In addition to university requirements, the W. P. Carey School of Business has the following special requirements: All courses must be completed with a grade of "C" or better. Students must complete the MAPP with a 3.0 cumulative transfer GPA* *Because Arizona State University calculates GPAs differently than the Maricopa Community College District, admission to the BA program is certified upon the calculation of the 3.0 cumulative transfer GPA by ASU Undergraduate Admissions. Effective Fall 2013 ASU no longer requires submission of a current SAT Reasoning score or ACT score by the end of the first semester in the program.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-B Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•		•	C	
ENG 102: First-Year Composition  OR ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
COM 225: Public Speaking	3	•		•	C	
Mathematical Studies						
MAT 212: Brief Calculus	3	•	•		C	
CIS 105: Survey of Computer Information Systems	3	•	•		C	

Humanities and Fine Arts

Lower Division Humanities and Fine Arts	6	•				C

Social and Behavioral Science

ECN 211: Macroeconomic Principles SUN# ECN 2201	3	•	•	•		C

ECN 212: Microeconomic Principles	3	•	•	•		C

Natural Science

Lower Division Natural Sciences	8	•				C

AGEC Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	•				C

Lower Division Historical or Global [H] or [G]	0-3	•				C

Additional Lower Division Requirements

ACC 211: Financial Accounting SUN# ACC 2201 AND ACC 212: Managerial Accounting SUN# ACC 2202 OR ACC 111: Accounting Principles I AND ACC 230: Uses of Accounting Information I AND ACC 240: Uses of Accounting Information II SUN#ACC 2202	6		•	•		C	Accounting - Acceptable alternate sequence: [ACC 111, 112 & 212].

GBS 205: Legal, Ethical, and Regulatory Issues in Business	3		•			C

GBS 221: Business Statistics	3		•	•		C

Lower Division Business Electives -- Select 2 courses (6 hours) from the following: CIS114DE, CIS133DA, CIS162AD, GBS151, GBS233, GBS220, (GBS110 OR MGT251), IBS101, MGT253, MKT271, PAD 100, REA179, REA180, or SBU200.	6		•			C	Lower Division Business Electives - Select in consultation with a Maricopa advisor.

MAT 217: Mathematical Analysis for Business	3		•	•		C	MAT 217 - Fulfills Quantitative Methods requirement. MAT 217 is required for Business majors at ASU.

Business Concentration requirement	6			•		C	Business Concentration Requirement - Select two courses from the below tracks based on your selected Business concentration. Students in the Global Leadership, Legal Studies, Public Service and Public Policy, Tourism, Technology, or Urban Policy concentrations will complete their lower division concentration requirements after transfer to ASU.

3.0 cumulative transfer GPA

Required Credits			62
Communication	Global Politics	Global Logistics Management	
COM 100: Introduction to Human Communication  COM 1100 AND COM 230: Small Group Communication	POS 120: World Politics  POS 1120 AND POS 140: Comparative Government  POS 2204	Select one course that transfers to ASU as a direct equivalency or Departmental Elective credit (DEC) in the PSY prefix with an SB designation AND Select one course that transfers to ASU as a direct equivalency or Departmental Elective credit (DEC) in the SOC prefix with an SB designation	
Global Leadership	Legal Studies	Public Service and Public Policy	
Select one course that transfers to ASU as a direct equivalency or Departmental Elective credit (DEC) in the PSY prefix with an SB designation AND Select one course that transfers to ASU as a direct equivalency or Departmental Elective credit (DEC) in the SOC prefix with an SB designation	Lower Division Select one course that transfers to ASU as a direct equivalency or Departmental Elective credit (DEC) in the PSY prefix with an SB designation AND Lower Division Select one course that transfers to ASU as a direct equivalency or Departmental Elective credit (DEC) in the SOC prefix with an SB designation	Select one course that transfers to ASU as a direct equivalency or Departmental Elective credit (DEC) in the PSY prefix with an SB designation AND Select one course that transfers to ASU as a direct equivalency or Departmental Elective credit (DEC) in the SOC prefix with an SB designation	
Sustainability	Technology	Tourism	
SUS 110: Sustainable World AND SSH 111: Sustainable Cities	Select one course that transfers to ASU as a direct equivalency or Departmental Elective credit (DEC) in the PSY prefix with an SB designation AND Select one course that transfers to ASU as a direct equivalency or Departmental Elective credit (DEC) in the SOC prefix with an SB designation	HRM 160: Tourism Principles and Practices AND Lower Division Select one course that transfers to ASU as a direct equivalency or Departmental Elective credit (DEC) in the PSY or SOC prefix with an SB designation	
Urban Policy	Sports and Media Studies	Human Resources	
Lower Division Select one course that transfers to ASU as a direct equivalency or Departmental Elective credit (DEC) in the PSY prefix with an SB designation AND Lower Division Select one course that transfers to ASU as a direct equivalency or Departmental Elective credit (DEC) in the SOC prefix with an SB designation	Select one course that transfers to ASU as a direct equivalency or Departmental Elective credit (DEC) in the PSY prefix with an SB designation AND Select one course that transfers to ASU as a direct equivalency or Departmental Elective credit (DEC) in the SOC prefix with an SB designation	Select one course that transfers to ASU as a direct equivalency or Departmental Elective credit (DEC) in the PSY prefix with an SB designation AND Select one course that transfers to ASU as a direct equivalency or Departmental Elective credit (DEC) in the SOC prefix with an SB designation	

2014-2015 Catalog Year - MAPP

Business (Data Analytics, Economics, Finance, Management, Marketing, Marketing - Digital and Integrated Marketing Communications, Marketing (Professional Sales), Entrepreneurship, or Supply Chain Management) BS

ASU Major

Supply Chain Management, BS - W. P. Carey School of Business
 Marketing (Digital and Integrated Marketing Communications), BS - W. P. Carey School of Business
 Finance, BS - W. P. Carey School of Business
 Marketing, BS - W. P. Carey School of Business
 Business Entrepreneurship, BS - W. P. Carey School of Business
 Marketing (Professional Sales), BS - W. P. Carey School of Business
 Economics, BS - W. P. Carey School of Business
 Management, BS - W. P. Carey School of Business
 Business Data Analytics, BS - W. P. Carey School of Business

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Business, General Requirements degree and AGEC-B, meets major map requirements at ASU, and guarantees admission to the Business B.S. degree program. Special Requirements: In addition to university requirements, the W. P. Carey School of Business has the following special requirements: All courses must be completed with a grade of "C" or better. Students who complete the MAPP with a 3.0 cumulative transfer GPA* and submit one of the following: an SAT (math and critical reading sections only) score of 1160 or higher, OR an ACT composite score of 25 or higher, OR a high school class ranking in the top 8 percent, OR an overall high school GPA of 3.60 in ASU competency courses (A=4.00) are guaranteed admission to the W. P. Carey School of Business Bachelor of Science degree program, subject to capacity availability. Students may be assigned to a specific campus.*Because Arizona State University computes GPAs differently than the Maricopa Community College District, admission to the BS program can only be certified after ASU calculates and certifies the GPA.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-B Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•		•	C	
ENG 102: First-Year Composition  OR ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
COM 225: Public Speaking	3	•		•	C	
Mathematical Studies						
MAT 212: Brief Calculus	3	•	•		C	
CIS 105: Survey of Computer Information Systems	3	•	•		C	

Humanities and Fine Arts

Lower Division Humanities and Fine Arts	6	■				C	
Social and Behavioral Science							
ECN 211: Macroeconomic Principles SUN# ECN 2201	3	■	■	■		C	
ECN 212: Microeconomic Principles SUN# ECN 2202	3	■	■	■		C	
Natural Science							
Lower Division Natural Sciences	8	■				C	Natural Science - Select at least one SQ within the Natural Science requirement.
AGEC Awareness Areas							
Lower Division Cultural Diversity in the US [C]	0-3	■				C	
Lower Division Historical or Global [H] or [G]	0-3	■				C	
Additional Lower Division Requirements							
ACC 211: Financial Accounting SUN# ACC 2201 AND ACC 212: Managerial Accounting SUN# ACC 2202 OR ACC 111: Accounting Principles I AND ACC 230: Uses of Accounting Information I AND ACC 240: Uses of Accounting Information II SUN#ACC 2202	6		■	■		C	
GBS 205: Legal, Ethical, and Regulatory Issues in Business	3		■			C	
GBS 221: Business Statistics	3		■	■		C	
Lower Division Business Electives -- Select 2 courses (6 hours) from the following: CIS114DE, CIS133DA, CIS162AD, GBS151, GBS233, GBS220, (GBS110 OR MGT251), IBS101, MGT253, MKT271, PAD 100, REA179, REA180, or SBU200.	6		■			C	Lower Division Business Electives - Select in consultation with a Maricopa advisor.
MAT 217: Mathematical Analysis for Business	3		■	■		C	
Lower Division Select one Psychology course that transfers to ASU with a PSY prefix and SB designation.	3				■	C	
Lower Division Select one Sociology course that transfers to ASU with a SOC prefix and SB designation.	3				■	C	
3.0 cumulative transfer GPA							
Required Credits	62						

2014-2015 Catalog Year - MAPP

Chemistry BA

ASU Major

Chemistry, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGECS, meets major map requirements at ASU, and guarantees admission to the Chemistry B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S	Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition							
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•		•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•		C	
Literacy and Critical Inquiry							
Lower Division Literacy and Critical Inquiry	0-3	•				C	Recommend selecting a course which satisfies L (Literacy and Critical Inquiry) and SB (Social & Behavioral Sciences) OR L and HU (Humanities and Fine Arts) OR L and COM OR L and CRE 101 requirements simultaneously.
Mathematical Studies							
MAT 221: Calculus with Analytic Geometry I  MAT 220	4	•		•		C	
Lower Division Computer/Statistics/Quantitative Applications	0	•			•	C	
Humanities and Fine Arts							
Lower Division Humanities and Fine Arts	6	•				C	See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.
Social and Behavioral Science							
Lower Division Social and Behavioral Science	6	•				C	See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.
Natural Science							

CHM 151: General Chemistry I 	4-5	•	•	C	
CHM 1151 AND CHM 151LL: General Chemistry I Laboratory  CHM 1151 OR CHM 150AA: General Chemistry I 					
CHM 1151 OR CHM 151AA: General Chemistry I 					
CHM 1151					
CHM 152: General Chemistry II 	4-5	•	•	C	
CHM 1152 AND CHM 152LL: General Chemistry II Laboratory  CHM 1152 OR CHM 152AA: General Chemistry II 					
CHM 1152					
Subject Options					
PHY 111: General Physics I  PHY 1111 B	4	•	•	C	
PHY 112: General Physics II  PHY 1112 B	4	•	•	C	
AGEC Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0-3	•		C	
Lower Division Historical or Global [H] or [G]	0-3	•		C	
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C	
CRE 101: College Critical Reading	0-3	•		C	Complete CRE 101 or equivalent.
Additional Lower Division Requirements					
CHM 235: General Organic Chemistry I  CHM 2235 AND CHM 235LL: General Organic Chemistry I Laboratory  CHM 2235	4		•	C	
CHM 236: General Organic Chemistry IIA  CHM 2236 AND CHM 236LL: General Organic Chemistry IIA Laboratory  CHM 2236	4		•	C	
MAT 231: Calculus with Analytic Geometry II  MAT 2230	4		•	C	
Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16		•	C	May be completed after transfer to ASU. Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on

the semester and year the
course is taken.

Lower Division Elective

10-0

•

C

Required Credits

60

2014-2015 Catalog Year - MAPP

Chemistry BS or Chemistry (Environmental Chemistry) BS

ASU Major

Chemistry (Environmental Chemistry), BS - College of Liberal Arts and Sciences

Chemistry, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Chemistry B.S. or Chemistry (Environmental Chemistry) B.S. degree program. Special requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Year Composition for ESL	3	■	■		C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	■	■		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	■			C	Recommend selecting a course which satisfies L (Literacy and Critical Inquiry) and SB (Social & Behavioral Sciences) OR L and HU (Humanities and Fine Arts) OR L and COM OR L and CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  MAT 2220	4	■	■		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	■			C	See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	■			C	See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.

Natural Science

CHM 151: General Chemistry I 	4-5	•	•	C
CHM 1151 AND CHM 151LL: General Chemistry I Laboratory  CHM 1151 OR CHM 151AA: General Chemistry I  CHM 1151 OR CHM 150AA: General Chemistry I  CHM 1151				
CHM 152: General Chemistry II 	4	•	•	C
CHM 1152 AND CHM 152LL: General Chemistry II Laboratory  CHM 1152 OR CHM 152AA: General Chemistry II  CHM 1152				
Subject Options				
MAT 230: Calculus With Analytic Geometry  MAT 2230 OR MAT 231: Calculus With Analytic Geometry  MAT 2230	4-5	•	•	C
MAT 240: Calculus With Analytic Geometry II  MAT 2241 OR MAT 241: Calculus With Analytic Geometry III  MAT 2241	4-5	•	•	C
AGEC Awareness Areas				
Lower Division Cultural Diversity in the US [C]	0-3	•		C
Lower Division Historical or Global [H] or [G]	0-3	•		C
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C
CRE 101: College Critical Reading	0-3	•		C Complete CRE 101 or equivalent.
Additional Lower Division Requirements				
CHM 235: General Organic Chemistry I  CHM 2235 AND CHM 235LL: General Organic Chemistry I Laboratory  CHM 2235	4		•	C
MAT 276: Modern Differential Equations OR MAT 262: Differential Equations  MAT 2262	3		•	C
CHM 236: General Organic Chemistry IIA  CHM 2236 AND CHM 236LL: General Organic Chemistry IIA Laboratory  CHM 2236	4		•	C
PHY 121: University Physics I: Mechanics	4		• •	C

PHY 131: University Physics II: Electricity and Magnetism  PHY 1131 B	4	-	C	
MAT 225: Elementary Linear Algebra	3	■	C	
Lower Division Elective	4-0		C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	64			

2014-2015 Catalog Year - MAPP

Communication (New College of Interdisciplinary Arts & Sciences) BA

ASU Major

Communication, BA - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Communication B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•	•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
COM 225: Public Speaking	3	•	•		C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•	•	C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
COM 100: Introduction to Human Communication  COM 1100	3	•	•		C	
Lower Division Social and Behavioral Sciences	3	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ within the Natural Science requirement.
AGEC Awareness Areas						
Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Historical or Global [H] or	0-3	•			C	

[G]

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0	■	C	Satisfied by COM 225.

CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

COM 207: Introduction to Communication Inquiry	3	■	C	

Language and Cultures: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language	0-16	■	C	You may satisfy the Language and Cultures requirement by completion of an intermediate language course or the computer language sequence; or, you may satisfy the requirement after transfer to ASU through various upper division course options. If choosing the computer language option to satisfy this requirement, select courses that transfer as direct equivalents to CSE 100 and CSE 205. .

Lower Division Elective	22-6	■	C	

Required Credits	60			

2014-2015 Catalog Year - MAPP

Communication BA (College of Liberal Arts & Sciences)

ASU Major

Communication, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Communication B.A. degree program. Special Requirements: 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. If a student has previously attended ASU but left with a gpa below 2.5, that student is not eligible to pursue this pathway because the student is not admissible to Communication at the Tempe campus.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
COM 225: Public Speaking	3	•	•		C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
COM 100: Introduction to Human Communication  COM 1100	3	•	•		C	Meets MCCC Additional Communication Requirement below.
Lower Division Social and Behavioral Science	3	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	Select at least one SQ within the Natural Science requirement.

AGEC Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Historical or Global [H] or [G]	0-3	•			C	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0	•			C	Met by COM 225 and COM 100.
CRE 101: College Critical Reading	0-3	•			C	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

COM 207: Introduction to Communication Inquiry	3		•		C	
COM Lower Division Elective	0-3			•	C	May be met within AGECE-A by any course that transfers as equivalent to an ASU course with a COM prefix or as a COM department elective (DEC), Excludes COM 100, 207, 225, and 259. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16			•	C	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	22-0			•	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60					

2014-2015 Catalog Year - MAPP

Communication (School of Letters & Sciences) BA

ASU Major

Communication, BA - School of Letters and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Communication B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•	•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
COM 225: Public Speaking	3	•	•		C	
Mathematical Studies						
MAT 142: College Mathematics Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•		•	C	
	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
COM 100: Introduction to Human Communication  COM 1100	3	•	•		C	
COM 230: Small Group Communication	3	•	•		C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ within the Natural Science requirement.
AGEC Awareness Areas						
Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Historical or Global [H] or [G]	0-3	•			C	

MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0	•		C	
CRE 101: College Critical Reading	0-3	•		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements					
COM 207: Introduction to Communication Inquiry	3		•	C	
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16		•	C	Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	22-6		•	C	
Required Credits	60				

2014-2015 Catalog Year - MAPP

Communication (New College of Interdisciplinary Arts & Sciences) BS

ASU Major

Communication, BS - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Communication B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•	•	C	
ENG 102: First-Year Composition  OR ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
COM 225: Public Speaking	3	•	•		C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•	•	C	
MAT 206: Elements of Statistics  OR MAT 1160 OR GBS 221: Business Statistics  BUS 2201 OR PSY 230: Introduction to Statistics OR JAS 225: Statistics for Social Research/Justice and Governmen  OR MAT 1160 OR SWU 225: Statistics for Social Research/Justice and Government  OR MAT 1160	3	•		•	C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
COM 100: Introduction to Human Communication  COM 1100	3	•	•		C	
Lower Division Social and Behavioral	3	•			C	

Sciences

Natural Science

Lower Division Natural Sciences	8	■	C	Select at least one SQ within the Natural Science requirement.

AGEC Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	■	C	

Lower Division Historical or Global [H] or [G]	0-3	■	C	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0	■	■	C

CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

COM 207: Introduction to Communication Inquiry	3	■	C	

Lower Division Language and Cultures: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language	0-16	■	C	Lower Division Language and Cultures requirement: complete an intermediate language course or the computer language sequence (select courses that transfer as direct equivalents to CSE 100 and CSE 205). Or, you may satisfy the language and cultures requirement after transfer to ASU through various upper division course options.

Lower Division Elective	22-6	■	C	

Required Credits 60

2014-2015 Catalog Year - MAPP

Communication BS (College of Liberal Arts & Sciences)

ASU Major

Communication, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Communication B.S. degree program. Special requirements: 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. If a student has previously attended ASU but left with a gpa below 2.5, that student is not eligible to pursue this pathway because the student is not admissible to Communication at the Tempe campus.

Maricopa Community College District Course Requirements

Required Courses	Pathway AGEC-A Program	ASU	ASU	Min.	Notes
Credits	Reqs	Trk	LD	Grade	
First Year Composition					
ENG 101: First-Year Composition 	3	•	•	C	
ENG 1101 OR					
ENG 107: First-Year Composition for ESL					
ENG 102: First-Year Composition 	3	•	•	C	
ENG 1102 OR					
ENG 108: First-Year Composition for ESL					
Literacy and Critical Inquiry					
COM 225: Public Speaking	3	•	•	C	
Mathematical Studies					
MAT 142: College Mathematics	3	•	•	C	
Lower Division	3	•		C	
Computer/Statistics/Quantitative Applications [CS]					
Humanities and Fine Arts					
Lower Division Humanities and Fine Arts	6	•		C	
Social and Behavioral Science					
COM 100: Introduction to Human Communication  COM 1100	3	•	•	C	
Lower Division Social and Behavioral Science	3	•		C	
Natural Science					
Lower Division Natural Science	8	•		C	Select at least one SQ within the Natural Science requirement.
AGEC Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0-3	•		C	

Lower Division Historical or Global [H] or [G]	0-3	•			C	
MCCCD Additional Requirements						
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0	•		•	C	Met by COM 100 or COM 225.
CRE 101: College Critical Reading	0-3	•			C	Complete CRE 101 or equivalent.
Additional Lower Division Requirements						
COM 207: Introduction to Communication Inquiry	3			•	C	
COM Lower Division Elective	0-3				C	May be met within AGECE-A by any course that transfers as equivalent to an ASU course with a COM prefix or as a COM department elective (DEC), Excludes COM 100, 207, 225, and 259. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	22-0			•	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60					

2014-2015 Catalog Year - MAPP

Business (Computer Information Systems) BS

ASU Major

Computer Information Systems, BS - W. P. Carey School of Business

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Business Special Requirements degree and AGECE-B, meets major map requirements at ASU, and guarantees admission to the Business (Computer Information Systems) B.S. degree program. Special Requirements: In addition to university requirements, the W. P. Carey School of Business has the following special requirements: All courses must be completed with a grade of "C" or better. Students who complete the MAPP with a 3.0 cumulative transfer GPA* and submit one of the following: an SAT (math and critical reading sections only) score of 1160 or higher, OR an ACT composite score of 25 or higher, OR a high school class ranking in the top 8 percent, OR an overall high school GPA of 3.60 in ASU competency courses (A=4.00) are guaranteed admission to the W. P. Carey School of Business Bachelor of Science degree program, subject to capacity availability. Students may be assigned to a specific campus.*Because Arizona State University computes GPAs differently than the Maricopa Community College District, admission to the BS program can only be certified after ASU calculates and certifies the GPA.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-B Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•		•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
COM 225: Public Speaking	3	•		•	C	
Mathematical Studies						
MAT 212: Brief Calculus	3	•	•		C	
CIS 105: Survey of Computer Information Systems	3	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Select one Psychology courses that transfers to ASU with a PSY prefix.	3	•		•	C	
Lower Division Select one Sociology course that transfers to ASU with a SOC prefix.	3	•		•	C	

Natural Science

Lower Division Natural Sciences	8	■			C	Natural Science - Select at least one SQ within the Natural Science requirement.

AGEC Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	■			C	
Lower Division Historical or Global [H] or [G]	0-3	■			C	

Additional Lower Division Requirements

ECN 211: Macroeconomic Principles SUN# ECN 2201	3		■	■	C	
ECN 212: Microeconomic Principles SUN# ECN 2202	3		■	■	C	
ACC 211: Financial Accounting SUN# ACC 2201 AND ACC 212: Managerial Accounting SUN# ACC 2202 OR ACC 111: Accounting Principles I AND ACC 230: Uses of Accounting Information I AND ACC 240: Uses of Accounting Information II SUN#ACC 2202	6		■	■	C	Accounting - Acceptable alternate sequence: [ACC 111, 112 & 212].
GBS 205: Legal, Ethical, and Regulatory Issues in Business	3		■		C	
GBS 221: Business Statistics	3		■	■	C	
CIS 250: Management of Information Systems	3		■	■	C	
MAT 217: Mathematical Analysis for Business	3		■	■	C	MAT 217 required for Business majors at ASU. Fulfills Quantitative Methods requirement.
CIS 162AD: C#: Level I	3		■		C	

3.0 cumulative transfer GPA

Required Credits	62

2014-2015 Catalog Year - MAPP

Computer Science BS

ASU Major

Computer Science, BS - Ira A. Fulton Schools of Engineering

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGECS, meets major map requirements at ASU, and guarantees admission to the Computer Science B.S. degree program. Special Requirements: All courses must be completed with a grade of "C" or better. In addition to university requirements, the Fulton School of Engineering requires that students must complete the MAPP with a 3.0 cumulative transfer GPA. Note that Arizona State University calculates GPA's differently than the Maricopa Community College District, thus guaranteed admission to the Computer Science BS program is dependent upon calculation of the 3.0 cumulative transfer GPA. Also, MAPP students must have an associate degree in progress or a completed associate degree posted on their transcript when applying for admission or they will be held to regular admission procedures and will not receive MAPP benefits. A total of 64 credit hours will transfer to Arizona State University.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGECS Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First Year Composition  ENG 1101 OR ENG 107: First Year Composition for ESL	3	■		■	C	
ENG 102: First Year Composition  ENG 1102 OR ENG 108: First Year Composition for ESL	3	■		■	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	■			C	Recommend selecting a course which satisfies L (Literacy and Critical Inquiry) and SB (Social & Behavioral Sciences) OR L and HU (Humanities and Fine Arts) OR L and COM OR L and CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  MAT 220	4	■	■		C	
Humanities and Fine Arts						
Humanities and Fine Arts	6	■			C	See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.
Social and Behavioral Science						
Lower Division Social and Behavioral	6	■			C	See note regarding Literacy and

Natural Science

BIO 181: General Biology (Majors) I  BIO 1181 AND BIO 182: General Biology (Majors) II  BIO 1182 OR CHM 151: General Chemistry I  CHM 1151 AND CHM 151LL: General Chemistry I Laboratory  CHM 1151 AND CHM 152: General Chemistry II  CHM 1152 AND CHM 152LL: General Chemistry II Laboratory  CHM 1152 OR CHM 152AA: General Chemistry II  CHM 1152 OR CHM 150AA: General Chemistry I  CHM 1151 OR CHM 151AA: General Chemistry I  CHM 1151 OR GLG 101: Introduction to Geology I - Physical  GLG 1101 AND GLG 103: Introduction to Geology I - Physical Laboratory  GLG 1101 OR GLG 102: Introduction to Geology II - Historical AND GLG 104: Introduction to Geology II - Historical Laboratory OR PHY 121: University Physics I: Mechanics  PHY 1121 AND PHY 131: University Physics II: Electricity and Magnetism  PHY 1131	8	■	■	C	Select the Biology, Chemistry, Geology or Physics sequence. Fulfills the Lab Science requirement.

Subject Options

MAT 230: Calculus With Analytic Geometry II  MAT 2230 OR MAT 231: Calculus With Analytic Geometry II  MAT 2230	4-5	■	■	C	
MAT 240: Calculus With Analytic Geometry III  MAT 2241 OR MAT 241: Calculus With Analytic Geometry III  MAT 2241	4-5	■	■	C	

AGEC Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	■		C	
Lower Division Historical or Global [H] or [G]	0-3	■		C	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR	0-3	■		C	

COM 225: Public Speaking OR
COM 230: Small Group Communication

CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

MAT 227: Discrete Mathematical Structures  MAT 2227	3	■	C

CSC 110: Introduction to Computer Science (Java) OR CSC 110AA: Introduction to Computer Science (Java) OR CSC 110AB: Intro To Computer Science (Java)	3-4	■	C

CSC 120: Digital Design Fundamentals OR EEE 120: Digital Design Fundamentals	4	■	C

CSC 205: Object Oriented Programming and Data Structures  CSC 2205 OR CSC 205AA: Object Oriented Programming and Data Structures  CSC 2205 OR CSC 205AB: Object Oriented Programming A  CSC 2205	3-4	■	C

CSC 230: Computer Organization and Assembly Language OR EEE 230: Computer Organization and Assembly Language	4	■	C

CSC 240: Introduction to Different Programming Languages	3	■	C

ECE 102: Engineering Analysis Tools and Techniques OR ECE 102AA: Engineering Analysis Tools and Techniques AND ECE 103: Engineering Problem Solving and Design OR ECE 103AB: Engineering Problem Solving and Design	4	■	C

3.00 cumulative transfer GPA

Required Credits	62

2014-2015 Catalog Year - MAPP

Construction Management BS

ASU Major

Construction Management, BS - Ira A. Fulton Schools of Engineering

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Construction Management B.S. degree program. Special Requirements: Minimum transfer GPA of 3.00 and No high school math or science competency deficiencies. OR Minimum transfer GPA of 2.75, and Minimum GPA of 2.75 in all ASU Trk courses (critical courses), and high school math or science competency deficiencies. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway AGEC-A Program	ASU	ASU	Min.	Notes
	Credits	Reqs	Trk	LD	Grade
First Year Composition					
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Composition for ESL	3	•	•		C
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•			C
Literacy and Critical Inquiry					
COM 225: Public Speaking	3	•	•	•	C
Mathematical Studies					
MAT 187: Precalculus  MAT 1187	3	•	•		C
MAT 206: Elements of Statistics  MAT 1160	3	•	•	•	C
Humanities and Fine Arts					
CNS 101: Construction and Culture	3	•		•	C
Lower Division Humanities and Fine Arts	3	•			C
					Humanities and Fine Arts: Select one course that also fulfills the Cultural Awareness Area.
Social and Behavioral Sciences					
ECN 211: Macroeconomic Principles  ECN 2201	3	•		•	C
ECN 212: Microeconomic Principles  ECN 2202	3	•	•		C
Natural Science					
PHY 111: General Physics I  PHY 1111 B	4	•	•	•	C
Lower Division Natural Sciences	4	•			C

AGEC Awareness Areas

Lower Division Lower Division Cultural Diversity in the US [C]	0-3	•			C
Lower Division Lower Division Historical or Global [H] or [G]	0-3	•			C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0	•			C
CRE 101: College Critical Reading (or Equivalent)	0-3	•			C

Additional Lower Division Requirements

CNS 180: Building Construction Methods, Materials, and Equipment	3		•	•	C
CNS 243: Heavy Construction Equipment, Methods, and Materials	3		•	•	C
CNS 175: Working Drawing Analysis: Blueprint Reading	3		•		C
CNS 261: Microcomputers for Constructors	3		•	•	C
ECE 201: Introduction to Engineering Statics AND ECE 203: Applications of Engineering Mechanics	4		•	•	C
CET 211: Strength of Materials	3		•	•	C
CET 101: Surveying I	3			•	C
CNS 263: Electrical Construction Fundamentals	3			•	C
Required Credits	60				

2014-2015 Catalog Year - MAPP

Criminal Justice & Criminology BS

ASU Major

Criminal Justice and Criminology, BS - College of Public Programs

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Criminal Justice & Criminology B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•	•	C	
ENG 102: First-Year Composition  OR ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•	•	C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
PSY 101: Introduction to Psychology OR SOC 101: Introduction to Sociology  OR SOC 1101	3	•		•	C	
SWU 102: Introduction to Social Work OR SWU 171: Introduction to Social Welfare	3	•		•	C	SWU Courses - ASU Criminal Justice & Criminology BS requires 9 credit hours (3 courses) to fulfill the Public Programs Interdisciplinary requirement. Two courses are

taken prior to transfer to ASU.
The remaining course will be
taken after transfer.

Natural Science

Lower Division Natural Sciences	8	•	C	Natural Sciences - Select at least one SQ within the Natural Science requirement.

AGEC Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	•	C	
Lower Division Historical or Global [H] or [G]	0-3	•	C	Historical and Global Awareness - 3 credit hours [H] satisfied by SWU 171 or SWU 102.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C	
CRE 101: College Critical Reading	0-3	•	C	College Critical Reading - Complete CRE 101 or equivalent.

Additional Lower Division Requirements

AJS 101: Introduction to Criminal Justice	3	•	C	
AJS 225: Criminology	3	•	C	
AJS 113: Criminal Justice Crime Control Policies and Practices	3	•	C	
REC 120: Leisure and the Quality of Life	3		C	REC 120, PRM 120 - ASU Criminal Justice & Criminology BS requires 9 credit hours (3 courses) to fulfill the Public Program interdisciplinary requirement. Two courses are taken prior to transfer to ASU. The remaining course will be taken after transfer.
Lower Division Criminal Justice Elective: Select two courses (6 hours) that transfer to ASU as 200-level courses with the ASU CRJ prefix as Departmental Elective credit (DEC) or direct equivalencies.	6	• •	C	Criminal Justice Elective: Select two courses (6 hours) that transfer to ASU as 200-level courses with CRJ prefix. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	7	•	C	Lower Division Elective - May include AJS 109, AJS 230, AJS 240, or AJS 260 (identified

statewide common courses) if
not taken above.

Required Credits

60

2014-2015 Catalog Year - MAPP

Design Studies BA

ASU Major

Design Studies, BA - Herberger Institute for Design and the Arts

Special Requirements

The MAPP for the BA in Design Studies is provided as a transfer pathway for students wishing to complete their BA in Design Studies at Arizona State University. Some students wish to pursue a Bachelor of Science in Design, and this is possible, but the five professional design degrees (Bachelor of Science in Design in Architectural Studies, Graphic Design, Industrial Design, Interior Design, Landscape Architecture) require 8 semesters (4 years) of sequential studio coursework at Arizona State University. For this reason we suggest students at Maricopa Community Colleges complete the BA Design Studies MAPP and then consider pursuing the 3-plus graduate programs in Architecture, Industrial Design, Interior Architecture, Landscape Architecture and Visual Communication Design. 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition SUN#ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition SUN#ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•		•	C	Mathematical Studies: Students wishing to transfer in to Architectural Studies, Industrial Design, Interior Design or Landscape Architecture must complete MAT 187 or MAT 151 and MAT 182.
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	Computer/Statistics/Quantitative: Students wishing to transfer into Architectural Studies or Landscape Architecture must complete ALA 235 at ASU; Students wishing to transfer into Interior Design must complete INT 121 at Arizona State University.

Humanities and Fine Arts

Arts and Humanities	6	■			C	Humanities and Fine Arts: Select a course which satisfies HU (Humanities and Fine Arts) and awareness area (C, H, or G) requirements simultaneously. **Students wishing to transfer to Interior Design should take ARH 102.
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	■			C	Social and Behavioral Requirement: Select a course which satisfies SB (Social and Behavioral Sciences) and awareness area (C, H, or G) requirements simultaneously. **Students wishing to transfer to Industrial Design should take PSY 101 and ECN 212.
Natural Science						
Lower Division Natural Science	8	■			C	Select at least one SQ within the Natural Science requirement. **Students wishing to transfer to Architecture Studies, Interior Design, or Industrial Design must complete PHY 101. Students wishing to transfer to Landscape Architecture must complete GPH 111.
AGEC Awareness Areas						
Lower Division Cultural Diversity in the US	0-3	■			C	
Lower Division Historical or Global	0-3	■			C	
MCCCD Additional Requirements						
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	3	■		■	C	
CRE 101: College Critical Reading	0-3	■			C	Complete CRE 101 or equivalent
Additional Lower Division Requirements						
ARC 101: Introduction to Western Architecture	0-3			■	C	ARC 101 can be completed after transfer to ASU
INT 115: Historical Architecture & Furniture OR INT 120: Modern Architecture & Furniture	3			■	C	
Freshmen Design Elective: Complete two courses that transfer to ASU with any of the following prefixes: ALA,	6			■	■	C

DSC, INT, PLA, PUP.

Lower Division Elective

13-0

C

Required Credits

60

2014-2015 Catalog Year - MAPP

Digital Culture (Art)

ASU Major

Digital Culture (Art), BA - Herberger Institute for Design and the Arts

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Art), BA degree program. Students interested in pursuing Digital Culture must successfully pass the Digital Culture Questionnaire requirement to be admitted into this major at ASU. Special Requirements: 2.0 GPA in course work used to satisfy MAPP requirements. 3.0 GPA required in Digital Culture Coursework. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Composition for ESL	3	•			C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•			C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 212: Brief Calculus	3	•			C	
Lower Division Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
ARH 102: Renaissance through Contemporary Art  ART 1102 OR ARH 115: History of Photography	3	•	•		C	
Lower Division Humanities and Fine Arts	3	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	
General Education Awareness Areas						
Lower Division Lower Division Cultural Diversity in the US [C]	0-3	•			C	

Lower Division Lower Division Historical or Global [H] or [G]	0-3	•		C	
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C	
CRE 101: College Critical Reading (or Equivalent)	0-3	•		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements					
CIS 163AA: Java Programming: Level I OR CIS 162AB: C++: Level I OR CIS 120DK: Introduction to Digital Video OR CIS 233DA: Internet/Web Development Level II OR ART 245: Advanced 3D Modeling and Animation	3-4		•	C	
ART 111: Drawing I  ART 1111 OR ART 113: Color	3		•	C	
CIS 120DC: Flash: Digital Animation OR CIS 120DK: Introduction to Digital Video Editing OR ART 200: Animation and Interactivity OR MTC 191: Electronic Music I OR MTC 193: Computer-Based Sound Synthesis OR MUC 122: Sound Design I	3		•	C	
ART 112: Two-Dimensional Design OR ART 200: Animation and Interactivity	3		•	C	
Lower Division Elective	13-0			C	
Required Credits	60				

2014-2015 Catalog Year - MAPP

Digital Culture (Arts & Design Studies)

ASU Major

Digital Culture (Arts and Design Studies), BA - Herberger Institute for Design and the Arts

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Arts & Design Studies), BA degree program. Students interested in pursuing Digital Culture must successfully pass the Digital Culture Questionnaire requirement to be admitted into this major at ASU. Students should submit the questionnaire in their last semester at the Community College. For more information, please visit: http://herbergerinstitute.asu.edu/degrees/digital_culture/applying.php. Special Requirements: 2.0 GPA in course work used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Composition for ESL	3	•			C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•			C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 212: Brief Calculus	3	•			C	
Lower Division Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	Humanities and Fine Arts: Arts focus students should choose HU courses from ARH 102, ARH 115, ARH 201, DAH 201, MHL 143, or MHL 145.. Design Focus Students should choose INT 105 and INT 115.
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Natural Sciences: Choose at

least one SQ.

General Education Awareness Areas

Lower Division Lower Division Cultural Diversity in the US [C] 0-3 • C

Lower Division Lower Division Historical or Global [H] or [G] 0-3 • C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication 0-3 • C

CRE 101: College Critical Reading (or Equivalent) 0-3 • C

Additional Lower Division Requirements

CIS 163AA: Java Programming: Level I OR CIS 162AB: C++: Level I OR CIS 120DK: Introduction to Digital Video Editing OR CIS 233DA: Internet/Web Development Level II OR ART 245: Advanced 3D Modeling and Animation 3 • C

Digital Culture Concentration Studies 6 C Digital Culture Concentration Studies: Arts Focus students should choose two courses from ARC 100, ARH 102, ARH 201, DAH 201, MHL 143, MHL 145, MHL 147, and ART 202. Design Studies students should choose two from INT 140, INT 190, INT 200, ARC 141, ARC 164, ART 169, ART 183, ART 283, ADA 169, ADA 183 or ADA 283.

CIS 120DC: Adobe Flash Level I: Digital Animation OR CIS 120DK: Introduction to Digital Video Editing OR ART 200: Animation and Interactivity OR MTC 191: Electronic Music I OR MTC 193: Computer-Based Sound Synthesis OR MUC 122: Sound Design I 3 • C

CIS 251: Computer Game Development - Level II OR ART 200: Animation and Interactivity 3 • C

Lower Division Elective 10-0 C

Required Credits 60

2014-2015 Catalog Year - MAPP

Digital Culture (Design) BA

ASU Major

Digital Culture (Design), BA - Herberger Institute for Design and the Arts

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Design), BA degree program. Students interested in pursuing Digital Culture must successfully pass the Digital Culture Questionnaire requirement to be admitted into this major at ASU. Students should submit the questionnaire in their last semester at the Community College. For more information, please visit: http://herbergerinstitute.asu.edu/degrees/digital_culture/applying.php. Special Requirements: 2.0 GPA in course work used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Composition for ESL	3	•			C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•			C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 212: Brief Calculus	3	•			C	
Lower Division Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
ARH 102: Renaissance through Contemporary Art  ART 1102	3	•	•		C	
INT 115: Historical Architecture & Furniture	3	•			C	Humanities & Fine Arts (HU): INT 115 transfers to ASU as Elective with HU and H general studies designations.
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Natural Sciences: Select at least one SQ.

General Education Awareness Areas

Lower Division Lower Division Cultural Diversity in the US [C]	0-3	•	C
Lower Division Lower Division Historical or Global [H] or [G]	0-3	•	C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C
CRE 101: College Critical Reading (or Equivalent)	0-3	•	C

Additional Lower Division Requirements

CIS 163AA: Java Programming: Level I OR CIS 162AB: C++: Level I OR CIS 120DK: Introduction to Digital Video Editing OR CIS 233DA: Internet/Web Development Level II OR ART 245: Advanced 3D Modeling and Animation	3-4	•	C
ARC 100: Introduction to Environmental Design AND ARC 120: Design Fundamentals I	6	•	C
CIS 120DC: Adobe Flash Level I: Digital Animation OR CIS 120DK: Introduction to Digital Video Editing OR ART 200: Animation and Interactivity OR MTC 191: Electronic Music I OR MTC 193: Computer-Based Sound Synthesis OR MUC 122: Sound Design I	3	•	C
INT 105: Introduction to Interior Design OR ART 200: Animation and Interactivity	3	•	C
Lower Division Elective	10-0		C
Required Credits	60		

2014-2015 Catalog Year - MAPP

Digital Culture (Film) BA

ASU Major

Digital Culture (Film), BA - Herberger Institute for Design and the Arts

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Film) BA degree program. Students interested in pursuing Digital Culture must successfully pass the Digital Culture Questionnaire requirement to be admitted into this major at ASU. Students should submit the questionnaire in their last semester at the Community College. For more information, please visit: http://herbergerinstitute.asu.edu/degrees/digital_culture/applying.php. Special Requirements: 2.0 GPA in course work used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway	AGEC-A Program	ASU	ASU	Min.	Notes
	Credits	Reqs	Trk	LD	Grade	
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Composition for ESL	3	•			C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•			C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 212: Brief Calculus	3	•			C	
Lower Division Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
ARH 102: Renaissance through Contemporary Art  ART 1102 OR ARH 115: History of Photography	3	•	•		C	
HUM 205: Introduction to Cinema OR THE 205: Introduction to Cinema	3	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Natural Sciences: Choose at least one SQ.

General Education Awareness Areas

Lower Division Lower Division Cultural Diversity in the US [C]	0-3	■	C
Lower Division Lower Division Historical or Global [H] or [G]	0-3	■	C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C
CRE 101: College Critical Reading (or Equivalent)	0-3	■	C

Additional Lower Division Requirements

CIS 163AA: Java Programming: Level I OR CIS 162AB: C++: Level I OR CIS 120DK: Introduction to Digital Video Editing OR CIS 233DA: Internet/Web Development Level II OR ART 245: Advanced 3D Modeling and Animation	3-4	■	C
CIS 120DC: Adobe Flash Level I: Digital Animation OR CIS 120DK: Introduction to Digital Video Editing OR ART 200: Animation and Interactivity OR MTC 191: Electronic Music I OR MTC 193: Computer-Based Sound Synthesis OR MUC 122: Sound Design I	3	■	C
HUM 209: Women and Films OR HUM 210: Contemporary Cinema OR MTC 120: Introduction to Sound Design For Film and Video OR TCM 117: Introduction to Cinematography OR TCM 120: Introduction to Sound Design For Film and Video OR WST 209: Women and Films OR THF 210: Contemporary Cinema	3	■	C
TCM 135: Production for Motion Picture and Television	3	■	C
Lower Division Elective	13-0		C
Required Credits	60		

2014-2015 Catalog Year - MAPP

Digital Culture (Interdisciplinary Arts & Performance)

ASU Major

Digital Culture (Interdisciplinary Arts and Performance), BA - Herberger Institute for Design and the Arts

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Interdisciplinary Arts & Performance), BA degree program. Students interested in pursuing Digital Culture must successfully pass the Digital Culture Questionnaire requirement to be admitted into this major at ASU. Students should submit the questionnaire in their last semester at the Community College. For more information, please visit:

http://herbergerinstitute.asu.edu/degrees/digital_culture/applying.php. Special Requirements: 2.0 GPA in course work used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Composition for ESL	3	•			C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•			C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 212: Brief Calculus	3	•			C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
ARH 102: Renaissance through Contemporary Art  ART 1102 OR ARH 115: History of Photography OR ARH 201: Art of Asia OR DAH 201: World Dance Studies OR HUM 205: Introduction to Cinema OR INT 115: Historical Architecture & Furniture OR MHL 143: Music in World Cultures OR MHL 145: American Jazz & Popular Music OR THE 205: Introduction to Cinema	6	•	•		C	Humanities and Fine Arts: Select two of the courses listed, for a total of 6 credits.
Social and Behavioral Science						

Lower Division Social and Behavioral Sciences	6	•	C	
Natural Science				
Lower Division Natural Sciences	8	•	C	Natural Sciences: Select at least one SQ.
General Education Awareness Areas				
Lower Division Lower Division Cultural Diversity in the US [C]	0-3	•	C	
Lower Division Lower Division Historical or Global [H] or [G]	0-3	•	C	
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C	
CRE 101: College Critical Reading (or Equivalent)	0-3	•	C	
Additional Lower Division Requirements				
CIS 163AA: Java Programming: Level I OR CIS 162AB: C++: Level I OR CIS 120DK: Introduction to Digital Video Editing OR CIS 233DA: Internet/Web Development Level II OR ART 245: Advanced 3D Modeling and Animation	3-4		•	C
CIS 120DC: Adobe Flash Level I: Digital Animation OR CIS 120DK: Introduction to Digital Video Editing OR ART 200: Animation and Interactivity OR MTC 191: Electronic Music I OR MTC 193: Computer-Based Sound Synthesis OR MUC 122: Sound Design I	3		•	C
CIS 251: Computer Game Development - Level II OR ART 200: Animation and Interactivity	3		•	C
Lower Division Elective	16-0			C
Required Credits	60			

2014-2015 Catalog Year - MAPP

Digital Culture (Media Processing) BA

ASU Major

Digital Culture (Media Processing), BA - Herberger Institute for Design and the Arts

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Media Processing), BA degree program. Students interested in pursuing Digital Culture must successfully pass the Digital Culture Questionnaire requirement to be admitted into this major at ASU. Students should submit the questionnaire in their last semester at the Community College. For more information, please visit: http://herbergerinstitute.asu.edu/degrees/digital_culture/applying.php. Special Requirements: 2.0 GPA in course work used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Composition for ESL	3	•			C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•			C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 212: Brief Calculus	3	•			C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
ARH 102: Renaissance through Contemporary Art  ART 1102 OR ARH 115: History of Photography OR ARH 201: Art of Asia OR DAH 201: World Dance Studies OR HUM 205: Introduction to Cinema OR INT 115: Historical Architecture & Furniture OR MHL 143: Music in World Cultures OR MHL 145: American Jazz & Popular Music OR THE 205: Introduction to Cinema	6	•	•		C	Humanities and Fine Arts: Select two of the courses listed, for a total of 6 credits.
Social and Behavioral Science						
Lower Division Social and Behavioral	6	•			C	

Sciences

Natural Science

Lower Division Natural Sciences	8	•	C	Natural Sciences: Select at least one SQ.

General Education Awareness Areas

Lower Division Lower Division Cultural Diversity in the US [C]	0-3	•	C	

Lower Division Lower Division Historical or Global [H] or [G]	0-3	•	C	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C	

CRE 101: College Critical Reading (or Equivalent)	0-3	•	C	

Additional Lower Division Requirements

CIS 163AA: Java Programming: Level I OR CIS 162AB: C++: Level I OR CIS 120DK: Introduction to Digital Video Editing OR CIS 233DA: Internet/Web Development Level II OR ART 245: Advanced 3D Modeling and Animation	3-4	•	C	

CIS 120DC: Adobe Flash Level I: Digital Animation OR CIS 120DK: Introduction to Digital Video Editing OR ART 200: Animation and Interactivity OR MTC 191: Electronic Music I OR MTC 193: Computer-Based Sound Synthesis OR MUC 122: Sound Design I	3	•	C	

Digital Culture Concentration Studies	6	•	C	Digital Culture Concentration Studies: Choose two courses from CIS 151, CIS 251, CIS 163AA, CIS 150AB, and MAT 227.

ART 200: Animation and Interactivity	3	•	C	

Lower Division Elective	10-0		C	

Required Credits 60

2014-2015 Catalog Year - MAPP

Digital Culture (Music)

ASU Major

Digital Culture (Music), BA - Herberger Institute for Design and the Arts

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Music), BA degree program. Students interested in pursuing Digital Culture must successfully pass the Digital Culture Questionnaire requirement to be admitted into this major at ASU. Students should submit the questionnaire in their last semester at the Community College. For more information, please visit: http://herbergerinstitute.asu.edu/degrees/digital_culture/applying.php. Special Requirements: 2.0 GPA in course work used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Composition for ESL	3	•			C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•			C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 212: Brief Calculus	3	•			C	
MTC 180: Computer Literacy for Musicians	3	•			C	
Humanities and Fine Arts						
MHL 143: Music in World Cultures	3	•	•		C	Humanities and Fine Arts: MHL 143 transfers as Elective with HU and G general studies designations.
Lower Division Humanities and Fine Arts	3	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	

General Education Awareness Areas

Lower Division Lower Division Cultural Diversity in the US [C]	0-3	•	C
Lower Division Lower Division Historical or Global [H] or [G]	0-3	•	C

MCCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C
CRE 101: College Critical Reading (or Equivalent)	0-3	•	C

Additional Lower Division Requirements

CIS 163AA: Java Programming: Level I OR CIS 162AB: C++: Level I OR CIS 120DK: Introduction to Digital Video Editing OR CIS 233DA: Internet/Web Development Level II OR ART 245: Advanced 3D Modeling and Animation	3-4	•	C
CIS 120DC: Adobe Flash Level I: Digital Animation OR CIS 120DK: Introduction to Digital Video Editing OR ART 200: Animation and Interactivity OR MTC 191: Electronic Music I OR MTC 193: Computer-Based Sound Synthesis OR MUC 122: Sound Design I	3	•	C
MTC 113: Songwriting Techniques OR MUC 237: Introduction to Electronic Music Production Techniques for DJ	1-3	•	C
MTC 105: Music Theory I	3	•	C
CIS 251: Computer Game Development - Level II OR ART 200: Animation and Interactivity	3	•	C
Lower Division Elective	12-0		C
Required Credits	60		

2014-2015 Catalog Year - MAPP

Digital Culture (Technological Entrepreneurship) BA

ASU Major

Digital Culture (Technological Entrepreneurship), BA - Herberger Institute for Design and the Arts

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Technological Entrepreneurship), BA degree program. Students interested in pursuing Digital Culture must successfully pass the Digital Culture Questionnaire requirement to be admitted into this major at ASU. Students should submit the questionnaire in their last semester at the Community College. For more information, please visit:

http://herbergerinstitute.asu.edu/degrees/digital_culture/applying.php. Special Requirements: 2.0 GPA in course work used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Composition for ESL	3	•			C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•			C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 212: Brief Calculus	3	•			C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
ARH 102: Renaissance through Contemporary Art  ART 1102 OR ARH 115: History of Photography OR ARH 201: Art of Asia OR DAH 201: World Dance Studies OR HUM 205: Introduction to Cinema OR INT 115: Historical Architecture & Furniture OR MHL 143: Music in World Cultures OR MHL 145: American Jazz & Popular Music OR THE 205: Introduction to Cinema	6	•	•		C	Humanities and Fine Arts: Select two of the courses listed, for a total of 6 credits.

Social and Behavioral Science

Lower Division Social and Behavioral Sciences	6	•	C	
Natural Science				
Lower Division Natural Sciences	8	•	C	Natural Sciences: Select at least one SQ.
General Education Awareness Areas				
Lower Division Cultural Diversity in the US [C]	0-3	•	C	
Lower Division Historical or Global [H] or [G]	0-3	•	C	
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C	
CRE 101: College Critical Reading (or Equivalent)	0-3	•	C	
Additional Lower Division Requirements				
CIS 163AA: Java Programming: Level I OR CIS 162AB: C++: Level I OR CIS 120DK: Introduction to Digital Video Editing OR CIS 233DA: Internet/Web Development Level II OR ART 245: Advanced 3D Modeling and Animation	3-4		•	C
CIS 120DC: Adobe Flash Level I: Digital Animation OR CIS 120DK: Introduction to Digital Video Editing OR MTC 191: Electronic Music I OR MTC 193: Computer-based Sound Synthesis OR MUC 122: Sound Design I	3		•	C
ART 100: Introduction to Computer Graphic Art AND ART 183: Computer Aided Graphic Arts I	4		•	C
ART 200: Animation and Interactivity	3		•	C
Lower Division Elective	12-0			C
Required Credits	60			

2014-2015 Catalog Year - MAPP

Digital Culture (Theatre) BA

ASU Major

Digital Culture (Theatre), BA - Herberger Institute for Design and the Arts

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Digital Culture (Theatre), BA degree program. Students interested in pursuing Digital Culture must successfully pass the Digital Culture Questionnaire requirement to be admitted into this major at ASU. Students should submit the questionnaire in their last semester at the Community College. For more information, please visit: http://herbergerinstitute.asu.edu/degrees/digital_culture/applying.php. Special Requirements: 2.0 GPA in course work used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway	AGEC-A Program	ASU	ASU	Min.	Notes
	Credits		Reqs	Trk	LD	Grade
First Year Composition						
ENG 101: First-Year Composition 	3	•				C
ENG 1101 OR						
ENG 107: First-Composition for ESL						
ENG 102: First-Year Composition 	3	•				C
ENG 1102 OR						
ENG 108: First-Year Composition for ESL						
Literacy and Critical Inquiry						
THE 220: Modern Drama  THE 2220	3	•				C
Mathematical Studies						
MAT 212: Brief Calculus	3	•				C
Lower Division Lower Division	3	•				C
Computer/Statistics/Quantitative						
Applications [CS]						
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•				C
Social and Behavioral Science						
Lower Division Social and Behavioral	6	•				C
Sciences						
Natural Science						
Lower Division Natural Sciences	8	•				C Natural Sciences: Select at least one SQ.
General Education Awareness Areas						
Lower Division Lower Division Cultural	0-3	•				C
Diversity in the US [C]						
Lower Division Lower Division Historical	0-3	•				C
or Global [H] or [G]						

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C

CRE 101: College Critical Reading (or Equivalent)	0-3	•	C

Additional Lower Division Requirements

CIS 163AA: Java Programming: Level I OR CIS 162AB: C++: Level I OR CIS 120DK: Introduction to Digital Video Editing OR CIS 233DA: Internet/Web Development Level II OR ART 245: Advanced 3D Modeling and Animation	3-4	•	C

CIS 120DC: Adobe Flash Level I: Digital Animation OR CIS 120DK: Introduction to Digital Video Editing OR ART 200: Animation and Interactivity OR MTC 191: Electronic Music I OR MTC 193: Computer-Based Sound Synthesis OR MUC 122: Sound Design I	3	•	C

THP 217: Introduction to Design Scenography	3	•	C

THP 216: Beginning Stage Lighting	3	•	C

Complete any course that transfers to ASU with a THP prefix	3		C

Lower Division Elective	10-0		C

Required Credits	60		

2014-2015 Catalog Year - MAPP

Earth & Environmental Studies BA

ASU Major

Earth and Environmental Studies, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Earth & Environmental Studies B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 187: Precalculus OR MAT 212: Brief Calculus OR MAT 221: Calculus with Analytic Geometry I  OR MAT 220	3-4	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	
Natural Science						
GLG 101: Introduction to Geology I - Physical Lecture  OR GLG 1101 AND GLG 103: Introduction to Geology I - Physical Laboratory  OR GLG 1101	4	•	•		C	
GLG 110: Geological Disasters and the Environment AND	4	•	•		C	

GLG 111: Geological Disasters and the Environment Laboratory

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C] 0-3 • C

Lower Division Historical or Global [H] or [G] 0-3 • C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication 0-3 • C

CRE 101: College Critical Reading 0-3 • C Complete CRE 101 or equivalent

Additional Lower Division Requirements

BIO 100: Biology Concepts OR BIO 101: General Biology (Non-Majors): Selected Topics OR BIO 102: General Biology (Non-Majors): Additional Topics OR BIO 182: General Biology (Majors) II  BIO 1182 OR PHY 101: Introduction to Physics OR PHY 111: General Physics I  PHY 1111 OR PHY 121: University Physics I: Mechanics 4 • C

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV 0-16 • C For Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.

CHM 151: General Chemistry I  CHM 1151 AND CHM 151LL: General Chemistry I Laboratory  CHM 1151 OR CHM 151AA: General Chemistry I  CHM 1151 OR CHM 150AA: General Chemistry I  CHM 1151 4-5 • C

Lower Division Elective 17-0 • C Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits 60

2014-2015 Catalog Year - MAPP

Earth & Space Exploration BS

ASU Major

Earth and Space Exploration, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Science Degree and AGEC-S, meets major map requirements at ASU and guarantees admission to the Earth & Space Exploration B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy TAG requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	•			C	Recommend selecting a course which satisfies L (Literacy and Critical Inquiry) and COM OR CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  OR MAT 220	4	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	
Natural Science						
PHY 115: University Physics I OR PHY 121: University Physics I: Mechanics	4-5	•	•		C	
PHY 116: University Physics II  OR PHY 1131 OR PHY 131: University Physics II:	4-5	•	•		C	

Electricity and Magnetism  PHY
1131

Subject Options

MAT 230: Calculus With Analytic
Geometry II  MAT 2230 OR
MAT 231: Calculus With Analytic
Geometry II  MAT 2230

4-5 • • C

MAT 240: Calculus With Analytic
Geometry III  MAT 2241 OR
MAT 241: Calculus With Analytic
Geometry III  MAT 2241

4-5 • • C

General Education Awareness Areas

Lower Division Cultural Diversity in the
US [C]

0-3 • C

Lower Division Historical or Global [H]
or [G]

0-3 • C

MCCCD Additional Requirements

COM 100: Introduction to Human
Communication  COM 1100 OR
COM 110: Interpersonal
Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication

0-3 • C

CRE 101: College Critical Reading

0-3 • C Complete CRE 101 or equivalent

Additional Lower Division Requirements

MAT 277: Modern Differential
Equations

3 • C

ECE 103: Engineering Problem Solving
and Design OR
ECE 103AB: Engineering Problem
Solving and Design

2 • C

Lower Division Elective

17-0 • C Lower Division Electives should
be completed once all other
requirements have been met and
only if needed to complete
community college's associate
degree requirements.

Required Credits **60**

2014-2015 Catalog Year - MAPP

Earth & Space Exploration (Astrophysics) BS

ASU Major

Earth and Space Exploration (Astrophysics), BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Earth & Space Exploration (Astrophysics) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	•			C	Recommend selecting a course which satisfies L (Literacy and Critical Inquiry) and SB (Social & Behavioral Sciences) OR L and HU (Humanities and Fine Arts) OR L and COM OR L and CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  MAT 220	4	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.
Natural Science						
PHY 115: University Physics I OR	4-5	•	•		C	

PHY 121: University Physics I: Mechanics					
PHY 116: University Physics II  PHY 1131 OR PHY 131: University Physics II: Electricity and Magnetism  PHY 1131	1	■	■	C	
Subject Options					
MAT 230: Calculus With Analytic Geometry II  MAT 2230 OR MAT 231: Calculus With Analytic Geometry II  MAT 2230	4-5	■	■	C	
MAT 240: Calculus With Analytic Geometry III  MAT 2241 OR MAT 241: Calculus With Analytic Geometry III  MAT 2241	4-5	■	■	C	
General Education Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0-3	■		C	
Lower Division Historical or Global [H] or [G]	0-3	■		C	
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■		C	
CRE 101: College Critical Reading	0-3	■		C	Complete CRE 101 or equivalent.
Additional Lower Division Requirements					
AST 111: Introduction to Solar System Astronomy AND AST 113: Introduction to Solar System Astronomy Laboratory	4		■	C	
AST 112: Introduction to Stars, Galaxies, and Cosmology AND AST 114: Introduction to Stars, Galaxies, and Cosmology Laboratory	4		■	C	
MAT 277: Modern Differential Equations	3		■	■	C
ECE 103: Engineering Problem Solving and Design OR ECE 103AB: Engineering Problem Solving and Design	2			■	C
Lower Division Elective	9-0			■	C
					Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	57				

2014-2015 Catalog Year - MAPP

Earth & Space Exploration (Geological Sciences) BS

ASU Major

Earth and Space Exploration (Geological Sciences), BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Earth & Space Exploration (Geological Sciences) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	•			C	Recommend selecting a course which satisfies L (Literacy and Critical Inquiry) and SB (Social & Behavioral Sciences) OR L and HU (Humanities and Fine Arts) OR L and COM OR L and CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  OR MAT 220	4	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	See note regarding Literacy and Critical Inquiry for 3 of the 6 required HU hours.
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	See note regarding Literacy and Critical Inquiry for 3 of the 6 required SB hours.
Natural Science						
PHY 115: University Physics I OR	4-5	•	•		C	

PHY 121: University Physics I: Mechanics					
PHY 116: University Physics II  PHY 1131 OR PHY 131: University Physics II: Electricity and Magnetism  PHY 1131	4-5			C	
Subject Options					
MAT 230: Calculus With Analytic Geometry II  MAT 2230 OR MAT 231: Calculus With Analytic Geometry II  MAT 2230	4-5			C	
MAT 240: Calculus With Analytic Geometry III  MAT 2241 OR MAT 241: Calculus With Analytic Geometry III  MAT 2241	4-5			C	
General Education Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0-3			C	
Lower Division Historical or Global [H] or [G]	0			C	Historical Awareness [H] may be satisfied by GLG 102
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3			C	
CRE 101: College Critical Reading	0-3			C	Complete CRE 101 or equivalent.
Additional Lower Division Requirements					
CHM 151: General Chemistry I  CHM 1151 AND CHM 151LL: General Chemistry I Laboratory  CHM 1151 OR CHM 150AA: General Chemistry I  CHM 1151 OR CHM 151AA: General Chemistry I  CHM 1151	4-5			C	
CHM 152: General Chemistry II  CHM 1152 AND CHM 152LL: General Chemistry II Laboratory  CHM 1152 OR CHM 152AA: General Chemistry II  CHM 1152	4-5			C	
ECE 103: Engineering Problem Solving and Design OR ECE 103AB: Engineering Problem Solving and Design	2			C	
GLG 101: Introduction to Geology I - Physical Lecture  GLG 1101 AND GLG 103: Introduction to Geology I - Physical Laboratory  GLG 1101	4			C	

GLG 102: Introduction to Geology II - Historical Lecture AND GLG 104: Introduction to Geology II - Historical Laboratory	4	-	C	
Lower Division Elective	5-0	■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	61			

2014-2015 Catalog Year - MAPP

Economics BS (College of Liberal Arts & Sciences)

ASU Major

Economics, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Economics B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 212: Brief Calculus OR MAT 221: Calculus with Analytic Geometry I  OR MAT 220	3-4	•	•		C	
SWU 225: Statistics for Social Research/Justice and Government OR JAS 225: Statistics For Social Research  OR MAT 1160 OR GBS 221: Business Statistics  OR MAT 1160 OR MAT 206: Elements Of Statistics  OR MAT 1160	3	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
ECN 211: Macroeconomic Principles  OR ECN 2201	3	•	•		C	
ECN 212: Microeconomic Principles	3	•	•		C	

Natural Science

Lower Division Natural Science	8	■	C	Select at least one SQ within the Natural Science requirement.

AGEC Awareness Areas

Lower Division Cultural Diversity in the US	0-3	■	C	
Lower Division Historical or Global	0-3	■	C	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication SUN#COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C	
CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

MAT 217: Mathematical Analysis for Business OR MAT 231: Calculus with Analytic Geometry II SUN#MAT 2230 OR MAT 230: Calculus With Analytic Geometry SUN#MAT 2230	4	■	C	
Lower Division Elective	22-0	■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits 61

2014-2015 Catalog Year - MAPP

Educational Studies BAE

ASU Major

Educational Studies, BAE - Mary Lou Fulton Teachers College

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Educational Studies B.A.E. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a "C" or better. The Bachelor of Arts in Education (BAE) in educational studies is designed to prepare students to work with children and youth outside of a traditional classroom setting. While this degree does not lead to teacher certification, it will provide a foundation of knowledge in educational practices for use in the community setting.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-year Composition  OR ENG 1101 OR ENG 107: First-year Composition For ESL	3	•	•		C	
ENG 102: First-year Composition  OR ENG 1102 OR ENG 108: First-year Composition For ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
CIS 105: Survey of Computer Information Systems OR BPC 110: Computer Usage and Applications OR CSC 180: Computer Literacy OR CSC 180AA: Computer Literacy OR CSC 180AB: Computer Literacy	3	•		•	C	
Humanities and Fine Arts						
EDU 291: Children's Literature OR ENH 291: Children's Literature	3	•	•		C	
Lower Division Humanities and Fine Arts	3	•			C	
Social and Behavioral Science						
EDU 221: Introduction to Education	3	•	•		C	
EDU 222: Introduction to the	3	•	•		C	

Exceptional Learner OR
 EED 222: Introduction to the
 Exceptional Young Child: Birth to Age
 Eight

Natural Science

Lower Division Natural Sciences	8	■	C	Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C]	0	■	C	3 hrs [C] met by EDU 230 or EED 220.

Lower Division Historical or Global [H] or [G]	0-3	■	C	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C	

CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

EDU 230: Cultural Diversity in Education OR EED 220: Child, Family, Community and Culture	3	■	C	

CFS 123: Health and Nutrition in Early Childhood Settings AND CFS 125: Safety in Early Childhood Settings OR EED 215: Early Learning: Health, Safety, Nutrition and Fitness	2-3	■	C	

CFS 235: Developing Child: Theory into Practice, Prenatal- Age 8 OR EED 205: The Developing Child: Prenatal to Age Eight	3	■	C	

EDU 220: Introduction to Serving English Language Learners (ELL)	3	■	C	

PSY 101: Introduction to Psychology	3	■	C	

SOC 101: Introduction to Sociology  SOC 1101	3	■	C	

Lower Division Elective	8	■	C	

Required Credits	60			

2014-2015 Catalog Year - MAPP

Elementary Education or Elementary Education (Bilingual Education/English as a Second Language) or Special Education/Elementary Education BAE

ASU Major

Elementary Education (Bilingual Education and English as a Second Language), BAE - Mary Lou Fulton Teachers College
 Special Education and Elementary Education, BAE - Mary Lou Fulton Teachers College
 Elementary Education, BAE - Mary Lou Fulton Teachers College

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Arts Elementary Education degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Elementary Education or Elementary Education (Bilingual Education/English as a Second Language) or Special Education/Elementary Education B.A.E. degree program and the iTeachAZ professional program. Special Requirements: 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway AGEC-A Program	ASU	ASU	Min.	Notes
	Credits	Reqs	Trk	LD	Grade
First Year Composition					
ENG 101: First-Year Composition  AND ENG 1101 OR ENG 102: First-Year Composition  OR ENG 1102 OR ENG 107: First-Year Composition for ESL AND ENG 108: First-Year Composition for ESL	6	•	•		C
Literacy and Critical Inquiry					
COM 225: Public Speaking	3	•	•		C
Mathematical Studies					
MAT 142: College Mathematics	3	•	•		C
CIS 105: Survey of Computer Information Systems OR BPC 110: Computer Usage and Applications OR CSC 180: Computer Literacy OR CSC 180AA: Computer Literacy OR CSC 180AB: Computer Literacy	3-4	•			C
Humanities and Fine Arts					
ARH 100: Introduction to Art OR ARH 101: Prehistoric through Gothic Art  ART 1101 OR ARH 102: Renaissance Through Contemporary Art  ART 1102 OR THE 111: Introduction To Theatre OR DAH 100: Introduction To Dance OR DAH 201: World Dance Studies	3	•		•	C

EDU 291: Children's Literature OR ENH 291: Children's Literature	3	●	●	C	
Social and Behavioral Science					
ECH 176: Child Development OR CFS 176: Child Development OR CFS 205: Human Development	3	●		C	
HIS 103: United States History to 1865	3	●	●	C	
Natural Science					
Complete a Life Sciences course (choose from BIO prefix)	4	●		C	Natural Science - One of the two natural science courses selected must be SQ.
Complete a Physical or Earth/Space Science Course (choose from AGS, ASM, AST, CHM, GLG, GPH, PHS, PHY)	4	●		C	
AGEC Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0-3	●		C	
Lower Division Historical or Global [H] or [G]	0-3	●		C	
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	●		C	
CRE 101: College Critical Reading	0-3	●		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements					
EDU 221: Introduction to Education	3		●	C	
EDU 230: Cultural Diversity in Education	3		●	●	C
EDU 222: Introduction to the Exceptional Learner	3		●	●	C
POS 227: United States and Arizona Social Studies OR GCU 227: United States and Arizona Social Studies OR POS 220: U.S. and Arizona Constitution OR POS 221: Arizona Constitution AND POS 222: U.S. Constitution	3			●	C
MAT 156: Mathematics For Elementary Teachers OR MAT 256: Course Title Not Available	4		●	●	C
MAT 157: Mathematics For Elementary Teachers II OR MAT 257: Course Title Not Available	4		●	●	C
EDU 220: Introduction to Serving English Language Learners (ELL)	3		●	●	C

Lower Division Fine Arts requirement - Select one course that transfer as any of the following ASU prefixes: AME, ARA, ARE, ARS, ART, DAH, DAN, DCE, MHL, MTC, MUE, MUP, MUS, THE, THP.	3	■	C

HIS 111: World History 1500 To The Present	3	■	C

Required Credits	64		

2014-2015 Catalog Year - MAPP

Engineering, Engineering (Robotics), Engineering (Mechanical), Engineering (Electrical)

ASU Major

Engineering (Robotics), BSE - Ira A. Fulton Schools of Engineering
 Engineering (Electrical Systems), BSE - Ira A. Fulton Schools of Engineering
 Engineering, BSE - Ira A. Fulton Schools of Engineering
 Engineering (Mechanical Engineering Systems), BSE - Ira A. Fulton Schools of Engineering

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Engineering BSE; Engineering (Robotics); Engineering (Mechanical Engineering Systems); Engineering (Electrical Systems); Manufacturing Engineering BS degree program within the College of Technology and Innovation. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway AGEC-S Program	ASU	ASU	Min.	Notes
	Credits	Reqs	Trk	LD	Grade
First Year Composition					
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•	•	C
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•		•	C
Literacy and Critical Inquiry					
Lower Division Literacy and Critical Inquiry	3	•			C Recommend selecting a course which satisfies L and COM OR CRE 101 requirements simultaneously.
Mathematical Studies					
MAT 221: Calculus with Analytic Geometry I  MAT 2220	4	•	•		C
Humanities and Fine Arts					
Lower Division Humanities and Fine Arts	6	•			C
Social and Behavioral Science					
Lower Division Social and Behavioral Science	6	•			C
Natural Science					
CHM 151AA: General Chemistry I	4	•	•		C Natural Science Requirement:

SUN#CHM 1151 OR
 CHM 151: General Chemistry I SUN#
 CHM 1151 AND
 CHM 151LL : General Chemistry I
 Laboratory OR
 PHY 121: University Physics I:
 Mechanics SUN#PHY 1121

complete either the Chemistry
 sequence or the Physics sequence.

CHM 152AA: General Chemistry II SUN#CHM 1152 OR CHM 152: General Chemistry II SUN# CHM 1152 AND CHM 152LL : General Chemistry II Laboratory SUN#CHM 1152 OR PHY 131: University Physics II: Electricity & Magnetism SUN#PHY 1131	4	•	•	C

Subject Options

MAT 230: Calculus With Analytic Geometry II SUN#MAT 2230 OR MAT 231: Calculus With Analytic Geometry II SUN#MAT 2230	4-5	•	•	C
MAT 240: Calculus With Analytic Geometry III SUN#MAT 2241 OR MAT 241: Calculus With Analytic Geometry III SUN#MAT 2241	4-5	•	•	C

AGEC Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	•		C
Lower Division Historical or Global [H] or [G]	0-3	•		C

Additional Lower Division Requirements

CHM 152AA: General Chemistry II SUN#CHM 1152 OR CHM 152: General Chemistry II SUN# CHM 1152 AND CHM 152LL: General Chemistry II Laboratory SUN#CHM 1152 OR PHY 121: University Physics I: Mechanics SUN#PHY 1121 AND PHY 131: University Physics II: Electricity & Magnetism SUN#PHY 1131	4		•	C	Additional Lower Division Requirements: an additional 4 hours of Chemistry or Physics required beyond Natural Science requirement for ASU degree.
ECE 102: Engineering Analysis Tools and Techniques OR ECE 102AA: Engineering Analysis Tools and Techniques AND ECE 103: Engineering Problem Solving and Design OR ECE 103AB: Engineering Problem Solving and Design AND ECE 214: Engineering Mechanics AND EEE 202: Circuits and Devices	13		•	C	
MAT 277: Modern Differential Equations	3		•	C	

Engineering Electives	3-4	■	C	Engineering Electives: Choose one course (3 credits) from list or select additional Engineering courses as needed to fulfill community college Associate's degree requirements.
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C	
CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent
Required Credits	64			

Engineering Electives

ECE 111: Bioengineering Systems OR
 ECE 112: General Principles of Nanotechnology OR
 ECE 215: Mechanics of Materials OR
 EEE 120: Digital Design Fundamentals or CSC 120: Digital Design Fundamentals OR
 CSC 100: Introduction to Computer Science (C++) OR
 CSC 110: Introduction to Computer Science (Java) OR
 EEE 230: Computer Organization & Assembly Language

2014-2015 Catalog Year - MAPP

English BA (New College of Interdisciplinary Arts & Sciences)

ASU Major

English, BA - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the English B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
ENG 200: Reading and Writing About Literature	3	•	•		C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•	•	C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6-0	•			C	Humanities may be satisfied by lower division cluster requirement.
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas						
Lower Division Cultural Diversity in the US	0-3	•			C	

Lower Division Historical or Global	0-3	■		C	
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■		C	
CRE 101: College Critical Reading	0-3	■		C	
Additional Lower Division Requirements					
Lower Division Select an English course that transfers to ASU with an ASU ENG prefix.	3		■		C
Lower Division Select an English course that transfers to ASU with an ASU ENG prefix.	3			■	C
English Cluster requirement	6-0			■	C
Language and Cultures: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * Completion of two sequential semesters of coursework in a current computer language.	0-16			■	C
					English Cluster Requirement - Select one ENH courses from at least two different clusters. You may select a third course for completion prior to transfer if desired.
					Language and Cultures requirement - may be satisfied t after transfer to ASU though various upper division course options. If choosing the computer language option to satisfy this requirement before transfer, select courses that transfer as direct equivalents to ASU's ACO 101 and ACO 102 in the Course Equivalency Guide.
Lower Division Elective	13-0			■	C
					Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits

60

Literature & Culture After 1860	Writing & Linguistics	Literature & Culture Before 1860
ENH 204: Introduction to Contemporary Literature OR ENH 205: Asian American Literature OR ENH 206: Nature and Environmental Literature OR ENH 212: The Mexican American Novel OR ENH 222: Survey of English Literature After 1800 OR ENH 242: American Literature After	May select one class that transfers to ASU as ENG 210. Includes MCCD CRW 120, CRW 155, CRW 180, CRW 202, CRW 203, CRW 220, CRW 242AH, CRW 252AB, CRW 272, CRW 274, CRW 275, CRW 281, CRW 290, CRW 291, ENG 210, OR ENG 211. OR ENG 213: Introduction to the Study of Language OR CRW 170: Introduction to Writing Fiction	ENH 201: World Literature Through the Renaissance OR ENH 202: World Literature After The Renaissance OR ENH 221: Survey Of English Lit Before 1800 OR ENH 230: Introduction To Shakespeare OR ENH 231: Intro To Shakespeare: The Early Plays OR ENH 232: Intro To Shakespeare: The

1860 OR
ENH 253: Contemporary Global
Literature and Film OR
ENH 254: Literature and Film OR
ENH 255: Contemporary U.S. Literature
and Film OR
ENH 259: American Indian Literature
OR
ENH 260: Literature of the Southwest
OR
ENH 261: Native Women's Literature:
The Americas OR
ENH 262: Navajo Literature: Words and
Stories OR
ENH 275: Modern Fiction OR
ENH 280: Topics in American
Literature OR
ENH 284: 19th Century Women Writers
OR
ENH 285: Contemporary Women
Writers OR
ENH 289: Literature from
Contemporary Nobel Laureates OR
ENG 290: Modern Irish Literature and
Culture

Late Plays OR
ENH 235: Survey Of Gothic Literature
OR
ENH 241: American Literature Before
1860 OR
ENH 252: Biblical Backgrounds of
Literature OR
ENH 270: 19th Century American
Fiction

2014-2015 Catalog Year - MAPP

English BA (School of Letters & Sciences)

ASU Major

English, BA - School of Letters and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECE-A, meets major map requirements at ASU, and guarantees admission to the English B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGECE-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
ENG 200: Reading and Writing About Literature	3	•	•		C	ENG 200 may be used to meet 3 credit hours of Literacy or Humanities & Fine Arts.
Mathematical Studies						
MAT 142: College Mathematics Lower Division	3	•		•	C	
Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
ENH 221: Survey of English Literature Before 1800 OR ENH 222: Survey of English Literature After 1800 OR ENH 241: American Literature Before 1860 OR ENH 242: American Literature After 1860	3	•		•	C	
Lower Division Humanities and Fine Arts	3	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	Select at least one SQ within

the Natural Science
requirement.

AGEC Awareness Areas

Lower Division Cultural Diversity in the U.S.	0-3	■	C

Additional Lower Division Requirements

ENH 204: Introduction To Contemporary Literature OR ENH 222: Survey Of English Literature After 1800 OR ENH 242: American Literature After 1860 OR ENH 289: Literature from Contemporary Nobel Laureate	3	■	C

Select one course that transfers to ASU as a direct equivalent or Departmental Elective credit (DEC) with an ENG prefix. (can concurrently satisfy AGECE requirements)	3	■	C

Select one of the following courses: CRW 160, CRW 170, ENG 215, ENG 216, ENG 217, ENG 218, or any course that is equivalent to ASU's ENG 210	3	■	C

Lower Division Elective	16-0	■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C

Lower Division Historical or Global	0-3	■	C

CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent

Required Credits	60

2014-2015 Catalog Year - MAPP

English (Creative Writing) BA

ASU Major

English (Creative Writing), BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the English (Creative Writing) B.A. degree program. Special Requirements: 3.0 GPA in English courses beyond first-year composition. 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. After transfer to ASU: Before continuing into the 400-level courses required to complete the creative writing concentration, students must successfully pass a portfolio review. Students who do not successfully pass this milestone may complete the English major by concentrating in Literature or Linguistics.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	■	■		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	■	■		C	
Literacy and Critical Inquiry						
ENG 200: Reading and Writing About Literature	3	■	■		C	
Mathematical Studies						
MAT 142: College Mathematics Lower Division	3	■	■		C	
Computer/Statistics/Quantitative Applications	3	■			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts - select two courses from the American Course List Options below	6	■		■	C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	■			C	
Natural Science						
Lower Division Natural Science	8	■			C	Select at least one SQ within the Natural Science requirement.

AGEC Awareness Areas

Lower Division Cultural Diversity in the US	0-3	■	C	
Lower Division Historical or Global	0-3	■	C	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C	
CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

CRW 160: Introduction to Writing Poetry	3	■	C	
CRW 170: Introduction to Writing Fiction	3	■	C	
Lower Division Select one course (3 hours) that transfers to ASU with an ENH or ENG prefix	3	■	C	
Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16	■	C	Foreign Language Requirement: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.
Lower Division Elective	16-0	■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

3.00 cumulative GPA in ENG 200:
Reading and Writing About Literature,
ENH 241: American Literature Before
1860, ENH 242: American Literature After
1860, CRW 160: Introduction to Writing
Poetry, CRW 170: Introduction to Writing
Fiction, Lower Division Select one course
(3 hours) that transfers to ASU with an
ENH or ENG prefix

Required Credits**60****American Literature Course Options**

ENH 190: Introduction To US Ethnic
Literature OR
ENH 205: Asian American Literature
OR
ENH 212 The Mexican American Novel
OR CCS 212 The Mexican American
Novel OR
ENH 241: American Literature Before
1860 OR
ENH 242: American Literature After
1860 OR

ENH 255: Contemporary U.S. Lit &
Film OR
ENH 260: Literature Of The Southwest
OR
ENH 261: Native Women's Literature:
The Americas OR AIS 261: Native
Women's Literature: The Americas OR
WST 261: Native Women's Literature:
The Americas OR
ENH 270: 19th Century American
Fiction OR
ENH 284: 19th Century Women Writers
OR WST 284: 19th Century Women
Writers OR
ENH 285: Contemporary Women
Writers OR WST 285: Contemporary
Women Writers

2014-2015 Catalog Year - MAPP

English (Linguistics) BA

ASU Major

English (Linguistics), BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the English (Linguistics) B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
ENG 200: Reading and Writing About Literature	3	•	•		C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
ENG 213: Introduction to the Study of Language OR SLC 201: Introduction to Linguistics	3	•	•		C	
ENH 221: Survey of English Literature Before 1800 OR ENH 222: Survey of English Literature After 1800 OR ENH 241: American Literature Before 1860 OR ENH 242: American Literature After 1860	3	•	•		C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	
Natural Science						

Lower Division Natural Science	8	-	C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas				
Lower Division Cultural Diversity in the US	0-3	■	C	
Lower Division Historical or Global	0-3	■	C	
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C	
CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent
Additional Lower Division Requirements				
Lower Division Second Language: Requirement satisfied through the following: OR Completion of a language course at the intermediate level (course must transfer to ASU at the 202 level or above). Select any modern language other than English (including American Sign Language): ARB Arabic, CHI Chinese, FRE French, GER German, GRK Greek, HBR/HEB Hebrew, ITA Italian, JPN Japanese, LAT Latin, NAV Navajo, PIM Pima, POR Portuguese, RUS Russian, SLG Sign Language, SPA Spanish.	0-16	■	C	Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester language proficiency.
Lower Division Elective	25-6	■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60			

2014-2015 Catalog Year - MAPP

English (Literature) BA

ASU Major

English (Literature), BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the English (Literature) B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
ENG 200: Reading and Writing About Literature	3	•	•		C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
Lower Division ENH 200 level HU Literature course - Select courses from the Course Equivalency Guide that transfer to ASU as a 200 level ENH course and satisfy the AGEC Humanities and Fine Arts (HU) criteria. Determination is made based on the semester and year the course is taken.	6	•	•		C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas					
Lower Division Cultural Diversity in the US	0-3	•		C	
Lower Division Historical or Global	0-3	•		C	
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C	
CRE 101: College Critical Reading	0-3	•		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements					
Areas and Periods Requirement	6		•	C	Area and Periods Requirement: Complete one course from two of the four concentration areas. Both courses can not be from the same concentration area.
Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16		•	C	Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester language proficiency.
Lower Division Elective	19-0		•	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits

60

Literature & Culture Before 1800	Literature & Culture After 1800	Transnational, Postcolonial, and Global Literature
ENH 201: World Literature Through the Renaissance OR ENH 202: World Literature After the Renaissance OR ENH 221: Survey of English Literature Before 1800 OR ENH 230: Introduction to Shakespeare OR ENH 231: Introduction to Shakespeare: The Early Plays OR ENH 232: Introduction to Shakespeare: The Late Plays OR ENH 241: American Literature Before 1860 OR ENH 250: Classical Backgrounds in Literature OR ENH 251: Mythology OR ENH 252: Biblical Backgrounds of Literature	ENH 204: Introduction to Contemporary Literature OR ENH 205: Asian American Literature OR ENH 206: Nature and Environmental Literature OR ENH 212: The Mexican American Novel OR ENH 222: Survey of English Literature After 1800 OR ENH 235: Survey of Gothic Literature OR ENH 242: American Literature After 1860 OR ENH 253: Contemporary Global Literature and Film OR ENH 254: Literature and Film OR ENH 255: Contemporary U.S. Literature and Film OR ENH 259: American Indian Literature	ENH 201: World Literature Through the Renaissance OR ENH 202: World Literature After the Renaissance OR ENH 259: American Indian Literature OR ENH 261: Native Women's Literature: The Americas OR ENH 262: Navajo Literature: Words and Stories OR ENH 281: Topics in World Literature OR ENH 290: Modern Irish Literature and Culture

OR
ENH 260: Literature of the Southwest
OR
ENH 261: Native Women's Literature:
The Americas OR
ENH 262: Navajo Literature: Words and
Stories OR
ENH 270: 19th Century American
Fiction OR
ENH 275: Modern Fiction OR
ENH 280: Topics in American
Literature OR
ENH 284: 19th Century Women Writers
OR
ENH 285: Contemporary Women
Writers OR
ENH 289: Literature from
Contemporary Nobel Laureates OR
ENH 290: Modern Irish Literature and
Culture

Literary Theory and Interdisciplinary
Studies

ENH 206: Nature and Environmental
Literature

2014-2015 Catalog Year - MAPP English (Secondary Education) BA

ASU Major

English (Secondary Education), BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the English (Secondary Education) BA degree program. Special Requirements: 2.5 cumulative transfer GPA. All courses must be completed with a grade of "C" or better. Fingerprint clearance and a background check is required in the second year of the program. We recommend you speak to a College of Liberal Arts Advisor to discuss these requirements further: englishadvising@asu.edu

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
ENG 200: Reading and Writing About Literature	3	•	•		C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
CSC 180: Computer Literacy OR CSC 180AA: Computer Literacy OR CSC 180AB: Computer Literacy	3-4	•			C	
Humanities and Fine Arts						
ENH 221: Survey of English Literature Before 1800	3	•		•	C	
ENH 222: Survey of English Literature After 1800	3	•		•	C	
Social and Behavioral Science						
EDU 222: Introduction to the Exceptional Learner	3	•	•		C	
SLC 201: Introduction To Linguistics	3	•	•		C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ within the Natural Science requirement.

AGEC Awareness Areas

Lower Division Cultural Diversity in the US [C]	0	■	C	AGEC Awareness Area fulfilled through EDU 222 and ENG 222.
Lower Division Historical or Global [H] or [G]	0	■	C	3 hrs [H] met by ENH 222.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C	
CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

EDU 220: Introduction to Serving English Language Learners (ELL)	3	■	C	
ENG 215: Strategies of Academic Writing OR ENG 216: Persuasive Writing on Public Issues OR ENG 217: Personal and Exploratory Writing	3	■	C	
ENH 241: American Literature Before 1860	3	■	C	
ENH 242: American Literature After 1860	3	■	C	
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Select 101, 102, 201, 202 as needed to reach 4th semester proficiency..	0-16	■	C	
Lower Division Elective	13-0	■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements. POS 220 is highly recommended to meet the AZ Constitution requirements.
Required Credits	60			

2014-2015 Catalog Year - MAPP

Environmental and Resource Management

ASU Major

Environmental and Resource Management, BS - Ira A. Fulton Schools of Engineering

Special Requirements

Completion of the MAPP and all special requirements for MCCC Associate of Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Environmental and Resource Management, BS degree program within the College of Technology and Innovation. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•			C	
ENG 102: First Year Composition  OR ENG 108: First Year Composition for ESL	3	•			C	
Literacy and Critical Inquiry						
Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 187: Precalculus  MAT 1187	3	•	•		C	
PSY 230: Introduction To Statistics	3	•			C	
Humanities and Fine Arts						
Humanities and Fine Arts	6	•			C	For Humanities [HU] and Social and Behavioral Sciences [SB] recommend selecting courses that also satisfy [C], [G] and/or [H] awareness requirements.
Social and Behavioral Science						
PSY 101: Introduction To Psychology  PSY 1101	3	•			C	
Social and Behavioral Sciences	3	•			C	
Natural Science						
CHM 150AA: General Chemistry I  CHM 1151 OR CHM 150: General Chemistry I AND CHM 151LL: General Chemistry I Laboratory  CHM 1151 OR	4-5	•	•		C	

CHM 151AA: General Chemistry I SUN#CHM 1151 OR CHM 151: General Chemistry I SUN# CHM 1151 AND CHM 151LL: General Chemistry I Laboratory SUN#CHM 1151						
CHM 152AA: General Chemistry II SUN#CHM 1152 OR CHM 152: General Chemistry II AND CHM 152LL: General Chemistry II Laboratory SUN#CHM 1152	4	■		■	C	
General Education Awareness Areas						
Cultural Diversity (C)	0-3	■			C	
Historical (H) or Global Awareness (G)	0-3	■			C	
MCCCD Additional Requirements						
COM 100: Introduction to Human Communication SUN#COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230 : Small Group Communication	0-3		■		C	
CRE 101: College Critical Reading	0-3			■	C	
Additional Lower Division Requirements						
CHM 230: Fundamental Organic Chemistry SUN# CHM 2230 B	3			■	C	CHM 230 - associated lab not required.
BIO 270: Sustainable Biological Systems	3			■	C	
BIO 181: General Biology (Majors) I SUN# BIO 1181	4				C	
BIO 182: General Biology (Majors) II SUN# BIO 1182	4				C	
Elective	11				C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60					

2014-2015 Catalog Year - MAPP

Ethnicity, Race, and First Nations Studies BA

ASU Major

Ethnicity, Race and First Nations Studies, BA - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Women & Gender Studies B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•	•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•	•	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•		•	C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	3	•			C	Humanities and Fine arts [HU] - HIS 103 recommended.
Lower Division Humanities and Fine Arts	3	•	•		C	
Social and Behavioral Science						
WST 100: Introduction to Women's and Gender Studies	3	•	•		C	
Lower Division Social and Behavioral Science	3	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	Natural Science Requirement: Complete at least one SQ.
General Education Awareness Areas						
Lower Division Cultural Diversity in the	0-3	•			C	

US

Lower Division Historical or Global	0-3	■			C	
MCCCD Additional Requirements						
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3		■		C	
CRE 101: College Critical Reading	0-3		■		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements						
Lower Division Language and Cultures: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language	0-16			■	C	
Lower Division Elective	25-0			■	C	
Required Credits	60					

2014-2015 Catalog Year - MAPP

Exercise & Wellness (Exercise & Wellness) BS

ASU Major

Exercise and Wellness (Exercise and Wellness), BS - College of Health Solutions

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Exercise and Wellness (Exercise and Wellness) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First Year Composition  OR ENG 107: First Year Composition for ESL	3	•			C	
ENG 102: First Year Composition  OR ENG 108: First Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
COM 225 : Public Speaking	3	•		•	C	
Mathematical Studies						
MAT 150: College Algebra / Functions  OR MAT 151: College Algebra / Functions  OR MAT 152: College Algebra / Functions  OR MAT 1151	3	•	•		C	
PSY 230: Introduction to Statistics OR MAT 206: Elements of Statistics OR GBS 221: Business Statistics OR JAS 225: Statistics for Social Research/Justice and Government OR SWU 225: Statistics for Social Research/Justice and Government	3	•		•	C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
PSY 101: Introduction to Psychology	3	•	•		C	
HES 100: Healthful Living OR	3	•	•		C	

WED 110: Principles of Physical Fitness
and Wellness

Natural Science

CHM 130: Fundamental Chemistry  4 • • • C
CHM 1130 AND
CHM 130LL: Fundamental Chemistry
Laboratory  CHM 1130 OR
CHM 151: General Chemistry I 
CHM 1151 AND
CHM 151LL: General Chemistry I
Laboratory  CHM 1151 OR
CHM 130AA: Fundamental Chemistry
With Laboratory  CHM 1151 OR
CHM 150AA: General Chemistry I 
CHM 1151 OR
CHM 151AA: General Chemistry I 
CHM 1151

BIO 202: Human Anatomy and 4 • • C
Physiology II  BIO 2202

General Education Awareness Areas

Lower Division Cultural Diversity in the 0-3 • C
US [C]

Lower Division Historical or Global [H] 0-3 • C
or [G]

MCCCD Additional Requirements

COM 100: Introduction to Human 0 • C
Communication  COM 1100 OR
COM 110: Interpersonal Communication
OR
COM 225: Public Speaking OR
COM 230: Small Group Communication

CRE 101: College Critical Reading 0-3 • C Complete CRE 101 or
equivalent

Additional Lower Division Requirements

BIO 201: Human Anatomy & Physiology 4 • C
I  BIO 2201

EXS 218: Instructional Competency: 2 • C
Cardiorespiratory Exercises and
Activities

EXS 214: Instructional Competency: 2 • C
Flexibility and Mind- Body Exercises

EXS 216: Instructional Competency: 2 • C
Muscular Strength and Conditioning

FON 241: Principles of Human Nutrition 3 • C

Lower Division Elective 12 • C

Required Credits 60

2014-2015 Catalog Year - MAPP

Exercise & Wellness (Health Promotion) BS

ASU Major

Exercise and Wellness (Health Promotion), BS - College of Health Solutions

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Exercise and Wellness (Health Promotion) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First Year Composition  OR ENG 1101 OR ENG 107: First Year Composition for ESL	3	•			C	
ENG 102: First Year Composition  OR ENG 1102 OR ENG 108: First Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
COM 225: Public Speaking	3	•		•	C	
Mathematical Studies						
MAT 151: College Algebra / Functions  OR MAT 1151 OR MAT 150: College Algebra / Functions  OR MAT 1151 OR MAT 152: College Algebra / Functions  OR MAT 1151	3-5	•	•		C	
PSY 230: Introduction to Statistics OR MAT 206: Elements of Statistics OR GBS 221: Business Statistics OR JAS 225: Statistics for Social Research/Justice and Government OR SWU 225: Statistics for Social Research/Justice and Government	3	•		•	C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
PSY 101: Introduction to Psychology	3	•	•		C	
HES 100: Healthful Living OR	3	•	•		C	

WED 110: Principles of Physical Fitness
and Wellness

Natural Science

CHM 130: Fundamental Chemistry  4 • • C
CHM 1130 AND
CHM 130LL: Fundamental Chemistry
Laboratory  CHM 1130 OR
CHM 130AA: Fundamental Chemistry
With Laboratory  CHM 1130

BIO 202: Human Anatomy and
Physiology II  BIO 2202 4 • • C

General Education Awareness Areas

Lower Division Cultural Diversity in the
US [C] 0-3 • C

Lower Division Historical or Global [H]
or [G] 0-3 • C

MCCCD Additional Requirements

COM 100: Introduction to Human
Communication  COM 1100 OR
COM 110: Interpersonal Communication
OR
COM 225: Public Speaking OR
COM 230: Small Group Communication

CRE 101: College Critical Reading 0-3 • C Complete CRE 101 or equivalent

Additional Lower Division Requirements

BIO 201: Human Anatomy and
Physiology I  BIO 2201 4 • C

FON 241: Principles of Human Nutrition 3 • C

Lower Division Elective 18 • C

Required Credits 60

2014-2015 Catalog Year - MAPP

Exploratory Health & Life Sciences

ASU Major

Exploratory Health and Life Sciences, - School of Letters and Sciences

Special Requirements

Completion of the Exploratory Pathway and all special requirements satisfies the requirements for MCCCC AGECE-A. Students should work with their academic advisor in completing general studies requirements and select courses based on their major of interest. Please consult with your academic advisor to learn more about selecting a major of interest. Students following the Exploratory Pathway are encouraged to sign up for a MAPP in their major of interest by the time they complete 30 credit hours towards the Exploratory Pathway. Special Requirements: 2.0 GPA in course work used to satisfy Exploratory Pathway requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGECE-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition 	3	•			C	
ENG 1101 OR ENG 107: First-Year Composition for ESL						
ENG 102: First-Year Composition 	3	•			C	
ENG 1102 OR ENG 108: First-Year Composition for ESL						
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	Course selection for individual general studies requirements [L, HU, SB, SG/SQ, C, G & H] should be made in consultation with the student's Academic Advisor. Course suggestions will be made based on major of interest.
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	MAT 142: is the minimum math required for completion of the AGECE-A. Students should consult with their academic advisor to determine if their major of interest requires a higher level of math course.
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	

Social and Behavioral Science					
Lower Division Social and Behavioral Sciences	6	■	■	C	
Natural Science					
Lower Division Natural Sciences	8	■	■	C	Lab Science: Must complete at least one SQ.
General Education Awareness Areas					
Lower Division Historical or Global [H] or [G]	0-3	■		C	
Lower Division Cultural Diversity [C]	0-3			C	
MCCCD Additional Requirements					
Lower Division Oral Communication	0-6		■	C	
Lower Division Critical Reading	0-6		■	C	
Additional Lower Division Requirements					
CPD 102AB: Career Exploration	0-2		■	C	Students who are exploring career and major options are strongly encouraged to complete CPD 102AB in first semester.
Lower Division Elective	25-0		■	C	
Required Credits	60				

2014-2015 Catalog Year - MAPP

Exploratory Humanities, Fine Arts & Design

ASU Major

Exploratory Humanities, Fine Arts and Design, - School of Letters and Sciences

Special Requirements

Completion of the Exploratory Pathway and all special requirements satisfies the requirements for MCCC AGEC-A. Students should work with their academic advisor in completing general studies requirements and select courses based on their major of interest. Please consult with your academic advisor to learn more about selecting a major of interest. Students following the Exploratory Pathway are encouraged to sign up for a MAPP in their major of interest by the time they complete 30 credit hours towards the Exploratory Pathway. Special Requirements: 2.0 GPA in course work used to satisfy Exploratory Pathway requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway AGEC-A Program	ASU ASU	Min.	Notes
Credits	Reqs	Trk	LD	Grade
First Year Composition				
ENG 101: First-Year Composition 	3	•		C
ENG 1101 OR				
ENG 107: First-Year Composition for ESL				
ENG 102: First-Year Composition 	3	•		C
ENG 1102 OR				
ENG 108: First-Year Composition for ESL				
Literacy and Critical Inquiry				
Lower Division Literacy and Critical Inquiry	3	•		C Course selection for individual general studies requirements [L, HU, SB, SG/SQ, C, G & H] should be made in consultation with the student's Academic Advisor. Course suggestions will be made based on major of interest.
Mathematical Studies				
MAT 142: College Mathematics	3	•	•	C MAT 142: is the minimum math required for completion of the AGEC-A. Students should consult with their academic advisor to determine if their major of interest requires a higher level of math course.
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•		C
Humanities and Fine Arts				
Lower Division Humanities and Fine Arts	6	•		C

Social and Behavioral Sciences					
Lower Division Social and Behavioral Sciences	6	■	■	C	
Natural Science					
Lower Division Natural Sciences	8	■	■	C	Lab Science: Must complete at least one SQ.
AGEC Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0-3	■		C	
Lower Division Historical or Global [H] or [G]	0-3	■		C	
MCCCD Additional Requirements					
Lower Division Oral Communication	0-6		■	C	
Lower Division Critical Reading	0-6		■	C	
Additional Lower Division Requirements					
CPD 102AB: Career Exploration	0-2		■	C	Students who are exploring career and major options are strongly encouraged to complete CPD 102AB in first semester.
Lower Division Elective	25-0		■	C	
Required Credits	60				

2014-2015 Catalog Year - MAPP

Exploratory Math, Physical Sciences, Engineering & Technology

ASU Major

Exploratory Math, Physical Sciences, Engineering and Technology, - School of Letters and Sciences

Special Requirements

Completion of the Exploratory Pathway and all special requirements satisfies the requirements for MCCC AGEC-S. Students should work with their academic advisor in completing general studies requirements and select courses based on their major of interest. Please consult with your academic advisor to learn more about selecting a major of interest. Students following the Exploratory Pathway are encouraged to sign up for a MAPP in their major of interest by the time they complete 30 credit hours towards the Exploratory Pathway. Special Requirements: 2.0 GPA in course work used to satisfy Exploratory Pathway requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway AGEC-S Program ASU ASU Min.				Notes
Credits	Reqs	Trk	LD	Grade	
First Year Composition					
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	■		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	■		C	
Literacy and Critical Inquiry					
Lower Division Literacy and Critical Inquiry	0-3	■		C	Literacy and Critical Inquiry [L]: recommend selecting a course that satisfies (L and SB) or (L and HU), or (L and COM), or (L and CRE101) requirements simultaneously.
Mathematical Studies					
MAT 220: Calculus with Analytic Geometry  OR MAT 221: Calculus with Analytic Geometry	4-5	■		C	Mathematical Studies [MA]: Complete 220 or 221 or any mathematics course for which MAT 220 or 221 is a prerequisite. Students should consult with their academic advisor to determine if their major of interest requires a higher level of math course.
Humanities and Fine Arts					
Lower Division Humanities and Fine Arts	6	■		C	Course selection for individual general studies requirements [L, HU, SB, SG/SQ, C, G & H] should be made in consultation with the student's Academic

Advisor. Course suggestions will be made based on major of interest.

Social and Behavioral Sciences

Lower Division Social and Behavioral Sciences	6	■	■	C

Natural Science

Lower Division Natural Sciences	8	■	■	C	Natural Science [SG/SQ]: AGECS requires eight (8) semester credits of either university chemistry or eight (8) semester credits of university physics or eight (8) semester credits of general biology appropriate to the major. The lecture course(s) selected for Natural Sciences must include or be accompanied by the corresponding laboratory course. Make course selections in consultation with your advisor.

Subject Options

Subject Option (Based on major) Students completing AGECS, through careful selection of courses that meet the other major or pre-requisite requirements for Science degrees, will meet this requirement. Using a transfer guide, select Mathematics courses above Calculus, and/or Science courses from: Astronomy, Biology, Botany, Chemistry, Environmental Science, Geology, Physical Geography, Physics, Zoology.	6-8	■		C

Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	■		C
Lower Division Historical or Global [H] or [G]	0-3	■		C

MCCCD Additional Requirements

Lower Division Oral Communication	0-6		■	C
Lower Division Critical Reading	0-6		■	C

Additional Lower Division Requirements

CPD 102AB: Career Exploration	2		■	C	Students who are exploring career and major options are strongly encouraged to complete CPD 102AB in first semester.

Lower Division Elective	22-0		■	C

Required Credits	60

2014-2015 Catalog Year - MAPP

Exploratory Social & Behavioral Sciences

ASU Major

Exploratory Social and Behavioral Sciences, - School of Letters and Sciences

Special Requirements

Completion of the Exploratory Pathway and all special requirements satisfies the requirements for MCCC AGEC-A. Students should work with their academic advisor in completing general studies requirements and select courses based on their major of interest. Please consult with your academic advisor to learn more about selecting a major of interest. Students following the Exploratory Pathway are encouraged to sign up for a MAPP in their major of interest by the time they complete 30 credit hours towards the Exploratory Pathway. Special Requirements: 2.0 GPA in course work used to satisfy Exploratory Pathway requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition 	3	•			C	
ENG 1101 OR ENG 107: First-Year Composition for ESL						
ENG 102: First-Year Composition 	3	•			C	
ENG 1102 OR ENG 108: First-Year Composition for ESL						
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	Course selection for individual general studies requirements [L, HU, SB, SG/SQ, C, G & H] should be made in consultation with the student's Academic Advisor. Course suggestions will be made based on major of interest.
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	MAT 142: is the minimum math required for completion of the AGEC-A. Students should consult with their academic advisor to determine if their major of interest requires a higher level of math course.
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	

Social and Behavioral Sciences					
Lower Division Social and Behavioral Sciences	6	■	■	C	
Natural Science					
Lower Division Natural Sciences	8	■	■	C	Lab Science: Must complete at least one SQ.
AGEC Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0-3	■		C	
Lower Division Historical or Global [H] or [G]	0-3	■		C	
MCCCD Additional Requirements					
Lower Division Oral Communication	0-6		■	C	
Lower Division Critical Reading	0-6		■	C	
Additional Lower Division Requirements					
CPD 102AB: Career Exploration	0-2		■	C	Students who are exploring career and major options are strongly encouraged to complete CPD 102AB in first semester.
Lower Division Elective	25-0		■	C	
Required Credits	60				

2014-2015 Catalog Year - MAPP

Family & Human Development BS

ASU Major

Family and Human Development, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Family & Human Development B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
PSY 230: Introduction to Statistics OR MAT 206: Elements of Statistics OR SWU 225: Statistics for Social Research/Justice and Government OR JAS 225: Statistics For Social Research/Justice and Government	3	•	•	•	C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
CFS 205: Human Development	3	•	•		C	
SOC 101: Introduction to Sociology  SOC 1101	3	•	•		C	
Natural Science						
Lower Division Natural Science	8	•			C	

General Education Awareness Areas

Lower Division Cultural Diversity in the US	0-3	■		C	
Lower Division Historical or Global	0-3	■		C	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■		C	
CRE 101: College Critical Reading	0-3	■		C	Complete CRE 101 or equivalent
CFS 112: Personal Growth & Family Relationships	3		■	C	

Additional Lower Division Requirements

Lower Division Elective	22-0		■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60				

2014-2015 Catalog Year - MAPP Film (Film & Media Studies), BA

ASU Major

Film (Film and Media Studies), BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Film (Film & Media Studies) B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
HUM 205: Introduction To Cinema OR THF 205: Introduction to Cinema	3	•		•	C	
Lower Division Humanities and Fine Arts	3	•			C	
Social and Behavioral Sciences						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ natural science course
AGEC Awareness Areas						
Lower Division Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Lower Division Historical	0-3	•			C	

or Global [H] or [G]

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C

CRE 101: College Critical Reading (or Equivalent)	0-3	■	C

Additional Lower Division Requirements

Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16	■	C	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.

TCM 111: Screenwriting I AND TCM 211: Screenwriting II	6	■	C	TCM 111 (3) and TCM 211 (3) Screenwriting I / Screenwriting II = FMP 261 (3) + Elective (3)

Lower Division Elective	19-0		C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits	60			

2014-2015 Catalog Year - MAPP Film (Filmmaking Practices) BA

ASU Major

Film (Filmmaking Practices), BA - Herberger Institute for Design and the Arts

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU. Students interested in pursuing Filmmaking Practices must successfully pass the application and essay requirement to be admitted into this major at ASU. For more information, please visit: http://theatrefilm.asu.edu/admissions/undergrad/applying/ba_film.php Students interested in pursuing the highly selective concentration in film and media production will need to maintain a 3.0 minimum GPA in the film core classes and a cumulative ASU GPA of 2.5 to be considered for acceptance into the film and media production concentration. For more information, please visit: http://theatrefilm.asu.edu/admissions/undergrad/applying/ba_fmp.php. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•			C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•			C	
Literacy and Critical Inquiry						
THE 220: Modern Drama  THE 220	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•			C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
HUM 205: Introduction to Cinema OR THF 205: Introduction to Cinema	3	•	•		C	
Lower Division Arts and Humanities	3	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	It is recommended to select courses which satisfies SB (Social and Behavioral) and the AGECA Awareness Areas Cultural Diversity [C] and Historical [H] or Global [G].
Natural Science						

Lower Division Natural Science	8	—	C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas				
Lower Division Cultural Diversity in the US	0-3	■	C	
Lower Division Historical or Global	0-3	■	C	Recommend completing Global Awareness [G] prior to transferring.
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C	
CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent
Additional Lower Division Requirements				
TCM 111: Screenwriting I AND TCM 211: Screenwriting II	6	■	C	
TCM 244: Final Cut Pro Studio	4		■	C
THP 217: Intro to Design Scenography	3	■	■	C
THP 112: Acting I	3		■	C
Elective	9			C
Required Credits	60			

2014-2015 Catalog Year - MAPP

General Studies, BGS

ASU Major

General Studies, BGS - School of Letters and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in General Studies, meets major map requirements at ASU, and guarantees admission to the General Studies BGS degree program. Special Requirements: 2.0 GPA in course work used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Composition for ESL	3				C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3				C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3				C	
Mathematical Studies						
MAT 142: College Mathematics	3				C	Mathematical Studies must be completed with a MAT course that transfers to ASU with an MA designation.
Lower Division Lower Division Computer/Statistics/Quantitative Applications [CS]	3				C	Complete one course that transfers to ASU with a CS designation.
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	9				C	Students are encouraged to choose courses from different disciplines for the Humanities [HU] and Social and Behavioral Sciences [SB] requirements. Courses must transfer to ASU with an HU or SB designation.
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	9				C	
Natural Science						
Lower Division Natural Sciences	8				C	Natural Science Requirement: ASU requires completion of two Lab Science courses. At least one course

must be an SQ.

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	C

Lower Division Historical or Global [H] or [G]	0-3	C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	C

CRE 101: College Critical Reading (or Equivalent)	0-3	C

Additional Lower Division Requirements

Lower Division Elective	19-0	C

Required Credits	60	

2014-2015 Catalog Year - MAPP

Geography BA

ASU Major

Geography, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Geography B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
GCU 102: Introduction to Human Geography	3	•	•		C	
GCU 121: World Geography I: Eastern Hemisphere	3	•	•		C	
Natural Science						
GPH 111: Introduction to Physical Geography OR GPH 112: Introduction to Physical Geography AND GPH 113: Introduction to Physical Geography Lab	4	•	•		C	
Lower Division Natural Sciences	4	•			C	

General Education Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0-3	■		C	
Lower Division Historical or Global [H] or [G]	0-3	■		C	
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■		C	
CRE 101: College Critical Reading	0-3	■		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements					
GCU 122: World Geography II: Western Hemisphere	3			C	
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16		■	C	For Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.
GPH 212: Introduction to Meteorology I AND GPH 214: Introduction to Meteorology Laboratory I OR GPH 213: Introduction to Climatology AND GPH 215: Introduction to Climatology Laboratory OR GPH 211: Landform Processes	0-4		■	C	
Lower Division Elective	22-0		■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60				

2014-2015 Catalog Year - MAPP

Geography BS or Geography (Urban Studies) BS

ASU Major

Geography (Urban Studies), BS - College of Liberal Arts and Sciences

Geography, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Geography B.S. or Geography (Urban Studies) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
GCU 102: Introduction to Human Geography	3	•	•		C	
GCU 121: World Geography I: Eastern Hemisphere	3	•	•		C	
Natural Science						
GPH 111: Introduction to Physical Geography OR GPH 112: Introduction to Physical Geography AND GPH 113: Introduction to Physical Geography Lab	4	•	•		C	

Lower Division Natural Sciences	4	•	C	
General Education Awareness Areas				
Cultural Diversity in the US [C]	0-3	•	C	
Lower Division Historical or Global [H] or [G]	0-3	•	C	GCU 102 or GCU 121 or GCU 122 may be used to satisfy global awareness [G] requirement.
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C	
CRE 101: College Critical Reading	0-3	•	C	Complete CRE 101 or equivalent
Additional Lower Division Requirements				
GCU 122: World Geography II: Western Hemisphere	3	•	C	
GPH 212: Introduction to Meteorology I AND GPH 214: Introduction to Meteorology Laboratory I OR GPH 213: Introduction to Climatology AND GPH 215: Introduction to Climatology Laboratory OR GPH 211: Landform Processes OR GPH 210: Society and Environment	0-4	•	C	GPH topical course or course combination may be taken after transfer to ASU.
Lower Division Elective	22-0	•	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60			

2014-2015 Catalog Year - MAPP

Geography (Meteorology-Climatology) BS

ASU Major

Geography (Meteorology-Climatology), BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Geography (Meteorology-Climatology) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  MAT 220	4	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
GCU 102: Introduction to Human Geography	3	•		•	C	
GCU 121: World Geography I: Eastern Hemisphere	3	•		•	C	
Natural Science						
GPH 111: Introduction to Physical Geography OR GPH 112: Introduction to Physical Geography AND GPH 113: Introduction to Physical Geography Lab	4	•	•		C	

PHY 121: University Physics I: Mechanics	4	•	•	C	
General Education Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0-3	•		C	
Lower Division Historical or Global [H] or [G]	0-3	•		C	Global Awareness requirement may be satisfied by GCU 102.
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C	
CRE 101: College Critical Reading	0-3	•		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements					
MAT 230: Calculus With Analytic Geometry II  MAT 2230 OR MAT 231: Calculus With Analytic Geometry II  MAT 2230	4-5		•	C	
MAT 240: Calculus With Analytic Geometry III  MAT 2241 OR MAT 241: Calculus With Analytic Geometry III  MAT 2241	4-5		•	C	
PHY 131: University Physics II: Electricity and Magnetism  PHY 1131 B	4		•	C	
GCU 122: World Geography II: Western Hemisphere	3		•	C	
GPH 213: Introduction to Climatology AND GPH 215: Introduction to Climatology Laboratory	4		•	C	
GPH 212: Introduction to Meteorology I AND GPH 214: Introduction to Meteorology Laboratory I	4		•	C	
Lower Division Elective	5-0		•	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	64				

2014-2015 Catalog Year - MAPP

German BA

ASU Major

German, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the German B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. 2.33 cumulative GPA required in all Sun Devil tracking courses: GER 101/101AA, GER 102/102AA, GER 201, GER 202.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	Three credit hours of Humanities and Fine Arts [HU] requirement may be satisfied with SLC 201 or ENG 213.
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas						
Cultural Diversity in the US [C]	0-3	•			C	

Lower Division Historical or Global [H] or [G]	0-3	•	C	
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C	
CRE 101: College Critical Reading	0-3	•	C	Complete CRE 101 or equivalent
Additional Lower Division Requirements				
GER 101: Elementary German I  GER 1101 OR GER 101AA: Elementary German I  GER 1101	4	•	C	Demonstrated language proficiency at or above the 202 level is required for enrollment in upper division major requirements courses.
GER 102: Elementary German II  GER 1102 OR GER 102AA: Elementary German II  GER 1102	4	•	C	
GER 201: Intermediate German I  GER 2201	4	•	C	
GER 202: Intermediate German II  GER 2202	4	•	C	
SLC 201: Introduction To Linguistics OR ENG 213: Introduction To The Study of Language	3	•	C	Three credit hours of Humanities and Fine Arts [HU] requirement may be satisfied with SLC 201 or ENG 213. SLC 201 is preferred.
Lower Division Elective	6-0	•	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
2.33 cumulative GPA in GER 102: Elementary German II OR GER 102AA: Elementary German II, GER 101: Elementary German I OR GER 101AA: Elementary German I, GER 202: Intermediate German II, GER 201: Intermediate German I				
Required Credits	60			

2014-2015 Catalog Year - MAPP

Global Health BA

ASU Major

Global Health, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Global Health B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
SWU 225: Statistics for Social Research/Justice and Government OR JAS 225: Statistics for Social Research/Justice and Government OR MAT 206: Elements Of Statistics  OR MAT 1160 OR PSY 230: Introduction To Statistics  MAT 1160	3	•	•	•	C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
AFR 202: Ethnic Relations in the United States OR ASB 202: Ethnic Relations in the United States	3	•		•	C	
Social and Behavioral Science	3	•			C	

Natural Science				
Lower Division Natural Sciences	8	■	C	Natural Science Requirement: Complete at least one SG and one SQ.
AGEC Awareness Areas				
Lower Division Cultural Diversity in the US [C]	0	■	C	
Lower Division Historical or Global [H] or [G]	0	■	C	
MCCCD Additional Requirements				
COM 100 : Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C	
CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent
Additional Lower Division Requirements				
ASB 102: Culture in a Globalizing World OR ASM 104: Bones, Stones and Human Evolution	3-4	■	C	ASM 102 or 104 may be used to meet Social and Behavioral Sciences [SB] AGEC requirement.
Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16	■	C	Second Language Requirement: Select 101, 102, 201, 202 as needed to reach 4th semester language proficiency.
Lower Division Elective	22-0	■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60			

2014-2015 Catalog Year - MAPP

Global Studies, BA

ASU Major

Global Studies, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Global Studies, B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. The Global Studies B.A. degree requires completion of an international experience through ASU's study abroad programs or an international internship.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Social and Behavioral Science	6	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ within the Natural Science requirement.
AGEC Awareness Areas						
Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Historical or Global [H] or [G]	0-3	•			C	

MCCCD Additional Requirements

COM 100 : Introduction to Human Communication  COM 1100 OR
COM 110: Interpersonal Communication
OR
COM 225: Public Speaking OR
COM 230: Small Group Communication

0-3



C

CRE 101: College Critical Reading

0-3



C

Complete CRE 101 or
equivalent

Additional Lower Division Requirements

Second Language: Requirement satisfied
through the following: Completion of a
language course at the intermediate level
(202 or equivalent), including American
Sign Language IV

0-16



C

Second Language
Requirement: Select 101, 102,
201, 202 as needed to reach 4th
semester language proficiency.

Lower Division Elective

25-0



C

Lower Division Electives
should be completed once all
other requirements have been
met and only if needed to
complete community college's
associate degree requirements.

Required Credits**60**

2014-2015 Catalog Year - MAPP

Health Education and Health Promotion, BS

ASU Major

Health Education and Health Promotion, BS - College of Health Solutions

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Health Education and Health Promotion B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First Year Composition  OR ENG 107: First Year Composition for ESL	3	•			C	
ENG 102: First Year Composition  OR ENG 108: First Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
COM 225: Public Speaking	3	•		•	C	
Mathematical Studies						
MAT 151: College Algebra / Functions  OR MAT 150: College Algebra / Functions  OR MAT 152: College Algebra / Functions  OR MAT 1151	3-4	•	•		C	
PSY 230: Introduction to Statistics OR MAT 206: Elements of Statistics OR GBS 221: Business Statistics OR JAS 225: Statistics for Social Research/Justice and Government OR SWU 225: Statistics for Social Research/Justice and Government	3	•		•	C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
PSY 101: Introduction to Psychology	3	•	•		C	
HES 100: Healthful Living OR	3	•	•		C	

WED 110: Principles of Physical Fitness
and Wellness

Natural Science

CHM 130: Fundamental Chemistry SUNY CHM 1130 AND CHM 130LL: Fundamental Chemistry Laboratory SUNY CHM 1130 OR CHM 130AA: Fundamental Chemistry With Laboratory SUNY CHM 1130	4	■	■	C

BIO 201: Human Anatomy and Physiology I SUNY BIO 2201	4	■	■	C

AGEC Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	■		C

Lower Division Historical or Global [H] or [G]	0-3	■		C

MCCCD Additional Requirements

CRE 101: College Critical Reading	0-3	■		C	Complete CRE 101 or equivalent

COM 100: Introduction to Human Communication SUNY COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0	■		C

Additional Lower Division Requirements

BIO 202: Human Anatomy and Physiology II SUNY BIO 2202	4		■	C

HSC 210: Cultural Aspects of Health Information and Health Literacy	3		■	C

FON 241: Principles of Human Nutrition	3		■	C

Lower Division Elective	17-0		■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits	62

2014-2015 Catalog Year - MAPP Health Sciences (Health Policy)

ASU Major

Health Sciences (Health Policy), BS - College of Health Solutions

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Health Sciences (Health Policy) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First Year Composition  OR ENG 107: First Year Composition for ESL	3	•	•		C	
ENG 102: First Year Composition  OR ENG 108: First Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•			C	
PSY 230: Introduction to Statistics OR MAT 206: Elements of Statistics OR GBS 221: Business Statistics OR JAS 225: Statistics for Social Research/Justice and Government OR SWU 225: Statistics for Social Research/Justice and Government	3	•		•	C	
Humanities and Fine Arts						
PHI 101: Introduction To Philosophy  PHI 1101 OR PHI 103: Introduction To Logic  PHI 1103	3	•		•	C	
Lower Division Humanities and Fine Arts	3	•			C	
Social and Behavioral Science						
PSY 101: Introduction to Psychology	3	•			C	
Social and Behavioral Sciences	3	•			C	

Natural Science

CHM 130: Fundamental Chemistry 4 ■ ■ C
SUNY CHM 1130 AND
CHM 130LL: Fundamental Chemistry
Laboratory SUNY CHM 1130

Natural Sciences 4 ■ C

AGEC Awareness Areas

Lower Division Cultural Diversity in the 0 ■ C
US [C]

Lower Division Historical or Global [H] 0-3 ■ C
or [G]

MCCCD Additional Requirements

COM 100: Introduction to Human 0-3 ■ C
Communication SUNY COM 1100 OR
COM 110: Interpersonal Communication
OR
COM 225: Public Speaking OR
COM 230: Small Group Communication

CRE 101: College Critical Reading 0-3 ■ C Complete CRE 101 or equivalent

Additional Lower Division Requirements

HCR 230: Culture And Health 3 ■ C

FON 100: Introductory Nutrition OR 3 ■ C
FON 241: Principles Of Human
Nutrition

Lower Division Elective 19-0 C Lower Division Electives should
be completed once all other
requirements have been met and
only if needed to complete
community college's associate
degree requirements.

Required Credits 60

2014-2015 Catalog Year - MAPP

Health Sciences (Healthy Lifestyles Coaching)

ASU Major

Health Sciences (Healthy Lifestyles Coaching), BS - College of Health Solutions

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Health Sciences (Healthy Lifestyle Coaching) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First Year Composition  OR ENG 1101 OR ENG 107: First Year Composition for ESL	3	•			C	
ENG 102: First Year Composition  OR ENG 1102 OR ENG 108: First Year Composition for ESL	3	•			C	
Literacy and Critical Inquiry						
Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•			C	
PSY 230: Introduction to Statistics OR MAT 206: Elements of Statistics OR GBS 221: Business Statistics OR JAS 225: Statistics for Social Research/Justice and Government OR SWU 225: Statistics for Social Research/Justice and Government	3	•		•	C	
Humanities and Fine Arts						
PHI 101: Introduction To Philosophy  PHI 1101 OR PHI 103: Introduction To Logic  PHI 1103	3	•		•	C	
Lower Division Humanities and Fine Arts	3	•			C	
Social and Behavioral Science						
PSY 101: Introduction to Psychology	3	•		•	C	
HES 100: Healthful Living OR WED 110: Principles of Physical Fitness	3	•		•	C	

and Wellness

Natural Science

CHM 130: Fundamental Chemistry SUNY CHM 1130 AND CHM 130LL: Fundamental Chemistry Laboratory SUNY CHM 1130	4	■	■	C

BIO 201: Human Anatomy and Physiology I SUNY BIO 2201	4	■	■	C

AGEC Awareness Areas

Lower Division Cultural Diversity in the US [C]	0	■		C

Lower Division Historical or Global [H] or [G]	0-3	■		C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication SUNY COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3		■	C

CRE 101: College Critical Reading	0-3		■	C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

FON 241: Principles of Human Nutrition	3		■	C

HCR 230: Culture And Health	3		■	C

BIO 202: Human Anatomy and Physiology II SUNY BIO 2202	4		■	C

Lower Division Elective	17-0			C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits	62				

2014-2015 Catalog Year - MAPP Health Sciences (Pre-professional) BS

ASU Major

Health Sciences (Pre-professional), BS - College of Health Solutions

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Health Sciences (Pre-professional) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First Year Composition for ESL	3	•	•	•	C	
ENG 102: First Year Composition  OR ENG 108: First Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	•			C	Lower Division Literacy and Critical Inquiry: Select a course which satisfies L (Literacy and Critical Inquiry) and SB (Social & Behavioral Sciences) OR L and HU (Humanities and Fine Arts) OR L and COM OR L and CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  MAT 220	4	•		•	C	
Humanities and Fine Arts						
PHI 101: Introduction to Philosophy  PHI 1101	3	•		•	C	
Lower Division Humanities and Fine Arts	3	•			C	
Social and Behavioral Science						
Social and Behavioral Sciences	6	•			C	
Natural Science						
BIO 181: General Biology (Majors) I	4	•	•		C	

SUN# BIO 1181

BIO 182: General Biology (Majors) II	4	■	■	C

SUN# BIO 1182**Subject Options**

CHM 151: General Chemistry I SUN#	4-5	■		C

CHM 1151 AND

CHM 151LL: General Chemistry I

Laboratory **SUN#**CHM 1151 OR

CHM 150AA: General Chemistry I

SUN#CHM 1151 OR

CHM 151AA: General Chemistry I

SUN#CHM 1151

CHM 152: General Chemistry II SUN#	4	■	■	C

CHM 1152 AND

CHM 152LL: General Chemistry II

Laboratory **SUN#**CHM 1152 OR

CHM 152AA: General Chemistry II

SUN#CHM 1152**AGEC Awareness Areas**

Lower Division Cultural Diversity in the US [C]	0-3	■		C

Lower Division Historical or Global [H] or [G]	0-3	■		C

MCCCD Additional Requirements

COM 100: Introduction to Human	0-3		■	C

Communication **SUN#**COM 1100 OR

COM 110: Interpersonal Communication

OR

COM 225: Public Speaking OR

COM 230: Small Group Communication

CRE 101: College Critical Reading	0-3		■	C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

BIO 201: Human Anatomy and Physiology I SUN# BIO 2201	4		■	C

BIO 202: Human Anatomy and Physiology II SUN# BIO 2202	4		■	C

CHM 235: General Organic Chemistry I

SUN# CHM 2235 AND	4		■	C

CHM 235LL: General Organic

Chemistry I Laboratory **SUN#**CHM 2235

CHM 236: General Organic Chemistry	4		■	C

IIA **SUN#**CHM 2236 AND

CHM 236LL: General Organic

Chemistry IIA Laboratory **SUN#**CHM

2236

FON 241: Principles of Human Nutrition	3		■	C

MAT 206: Elements of Statistics OR	3		■	C

GBS 221: Business Statistics OR

PSY 230: Introduction to Statistics OR

JAS 225: Statistics for Social

Research/Justice and Government OR

SWU 225: Statistics for Social

Research/Justice and Government 

MAT 1160

Required Credits

60

2014-2015 Catalog Year - MAPP

History BA (New College of Interdisciplinary Arts & Sciences)

ASU Major

History, BA - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the History B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•	•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•	•	C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas						
Lower Division Cultural Diversity in the US	0-3	•			C	
Lower Division Historical or Global	0-3	•			C	

MCCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR
COM 110: Interpersonal Communication OR
COM 225: Public Speaking OR
COM 230: Small Group Communication

0-3



C

CRE 101: College Critical Reading

0-3



C

Complete CRE 101 or equivalent

Additional Lower Division Requirements

HIS Lower Division Elective

3



C

History Option 1 or 2

0-6



C

History Option 1 or 2: If selecting Option 1, complete two of the three listed courses. If selecting Option 2, complete both listed courses.

Select two courses (6 hours) that transfer to ASU as a direct equivalent or Departmental Elective credit (DEC) in the following ASU prefixes: AMS, ENG, HST, PHI, REL.

6



C

Language and Cultures: Requirement satisfied through the following:
Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR
Completion of two sequential semesters of coursework in a current computer language

0-16



C

You may satisfy the Language and Cultures requirement by completion of an intermediate language course or the computer language sequence; or, you may satisfy the requirement after transfer to ASU through various upper division course options. If choosing the computer language option to satisfy this requirement, select courses that transfer as direct equivalents to ASU's ACO 101 and ACO 102 in the Course Equivalency Guide.

Lower Division Elective

16-0



C

Lower division elective may include HIS 100, HIS 101, HIS 102 (identified statewide common courses) if not taken above.

Required Credits**60****History Option 1**

HIS 100: History of Western Civilization to Middle Ages OR
HIS 101: History of Western Civilization Middle Ages to 1789 OR
HIS 102: History of Western Civilization 1789 to Present

History Option 2

HIS 103: United States History to 1865
AND
HIS 104: United States History 1865 to Present

2014-2015 Catalog Year - MAPP

History BA (College of Liberal Arts & Sciences)

ASU Major

History, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the History B.A. degree program. Special Requirements: 2.25 GPA in History courses. 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. Students choose a geographic concentration within the major. Available concentrations include United States, Europe, Asia, and Latin America.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition 	3	•	•		C	
ENG 1101 OR ENG 107: First-Year Composition for ESL						
ENG 102: First-Year Composition 	3	•	•		C	
ENG 1102 OR ENG 108: First-Year Composition for ESL						
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	For Humanities [HU] and Social and Behavioral Sciences [SB] requirement, select courses that also satisfy Geographic concentration or Related Field requirements.
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	For Humanities [HU] and Social and Behavioral Sciences [SB] requirement, select courses that also satisfy Geographic concentration or Related Field requirements.
Natural Science						

Lower Division Natural Sciences	8	•	C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas				
Lower Division Cultural Diversity in the US [C]	0-3	•	C	
Lower Division Historical or Global [H] or [G]	0-3	•	C	
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C	
CRE 101: College Critical Reading	0-3	•	C	Complete CRE 101 or equivalent
Additional Lower Division Requirements				
Lower Division Geographic Concentration Cluster requirement	0-6	•	C	Lower Division Geographic Concentration: Select up to two courses within ONE of the geographic concentration clusters that ALSO meet AGECA Humanities and Fine Arts and/or Social and Behavioral Science requirements.
Lower Division History electives: Select up to two courses from outside the primary geographic concentration or other courses that transfer to ASU as HST direct equivalent or HST Departmental elective credit: HIS 110, HIS 111, HIS 240, HIS 243, HIS 277.	0-6	•	C	Lower Division History electives must also meet AGECA Humanities and Fine Arts and/or Social and Behavioral Science requirements. Students should take no more than twelve hours within the History electives and/or one of the geographic concentrations at the lower division level.
Lower Division Related Field Requirement: select two courses which transfer as either direct equivalencies or departmental electives to courses in the following ASU departments: AFH, AFR, AFS, AIS, APA, APH, ARS, ASB, ASM, ECN, ENG, GCU, HON, HPS, HTY, HUM, PHI, POS, REL, SGS SOC, TCL, WSH and WST. (Courses which transfer as ENG 101-111 are excluded).	6	•	C	
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16	•	C	Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester language proficiency.

Required Credits**60****United States**

HIS 103: United States History to 1865 OR
 HIS 104: United States History 1865 to Present OR
 HIS 108: United States History 1945 to the Present OR
 HIS 105: Arizona History OR
 HIS 106: Southwest History OR
 HIS 107: Selected Issues in United States History OR
 HIS 109: Mexican-American History and Culture OR
 HIS 140: American Indian History OR
 HIS 170: American Indian History of the Southwest OR
 HIS 173: United States Military History OR
 HIS 201: History of Women in America OR
 HIS 203: African-American History to 1865 OR
 HIS 204: African-American History 1865 to Present OR
 HIS 209: The Chicano in Twentieth Century America OR
 HIS 275: Russia and the Soviet Union in the 20th Century to Present

Latin America

HIS 241: Latin American Civilization in the Colonial Period OR
 HIS 242: Latin American Civilization in the Post-Colonial Period OR
 HIS 145: History of Mexico

Asia

HIS 113: History of Eastern Civilizations to 1850 OR
 HIS 114: History of Eastern Civilizations 1850 to Present OR
 HIS 271: History of the Far East to 1900 OR
 HIS 272: History of the Far East 1900 to Present

Europe

HIS 100: History of Western Civilization to Middle Ages OR
 HIS 101: History of Western Civilization Middle Ages to 1789 OR
 HIS 102: History of Western Civilization 1789 to Present OR
 HIS 251: History of England to 1700 OR
 HIS 252: History of England 1700 to Present OR
 HIS 253: History of Ireland to 1603 OR
 HIS 254: History of Ireland 1603 to the Present OR
 HIS 275: Russia and the Soviet Union in the 20th Century to Present

2014-2015 Catalog Year - MAPP

History BA (School of Letters & Sciences)

ASU Major

History, BA - School of Letters and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the History B.A. degree program. Special Requirements: 2.25 GPA in History courses and Critical Tracking courses. 2.0 GPA in remaining coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•	•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•	•	C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas						
Lower Division Cultural Diversity in the US	0-3	•			C	
Lower Division Historical or Global	0-3	•			C	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3		C

CRE 101: College Critical Reading	0-3		C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

Select 3 courses (9 hours) that transfer to ASU as direct equivalents or Departmental Elective credit (DEC) with an HST prefix.	9		C

Lower Division Elective	16		C

2.25 cumulative GPA in Select 3 courses (9 hours) that transfer to ASU as direct equivalents or Departmental Elective credit (DEC) with an HST prefix.

Required Credits	60

2014-2015 Catalog Year - MAPP

Industrial and Organizational Psychology

ASU Major

Industrial and Organizational Psychology, BS - Ira A. Fulton Schools of Engineering

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Industrial and Organizational Psychology, BS degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•			C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•			C	
Literacy and Critical Inquiry						
PSY 290AC: Research Methods	4	•	•		C	
Mathematical Studies						
MAT 187: Precalculus  MAT 1187	5	•	•		C	
PSY 230: Introduction to Statistics	3	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	Humanities and Fine Arts [HI] and Social and Behavioral [SB]: Recommend selecting courses that also satisfy [C], [G] and/or [H].
Social and Behavioral Science						
PSY 101: Introduction to Psychology	3	•	•		C	
Social and Behavioral Sciences	3	•			C	
Natural Science						
BIO 100: Biology Concepts OR BIO 181: General Biology (Majors) I  BIO 1181 OR BIO 182: General Biology (Majors) II  BIO 1182 OR BIO 201: Human Anatomy and	4	•	•		C	

Physiology I  BIO 2201 OR
 BIO 202: Human Anatomy and
 Physiology II  BIO 2202

Natural Sciences	4	■	C

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	■	C
Lower Division Historical or Global [H] or [G]	0-3	■	C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C
CRE 101: College Critical Reading	0-3	■	C

Complete CRE 101 or equivalent

Additional Lower Division Requirements

MAT 221: Calculus with Analytic Geometry I	4	■	C
CIS 105: Survey of Computer Information Systems  CIS 1120 OR CSC 180: Computer Literacy OR CIS 163AA: Java Programming: Level I OR CSC 180AA: Computer Literacy OR CSC 180AB: Computer Literacy	3-4	■	C
GBS 151: Introduction To Business	3		C
Lower Division Elective	12		C
Required Credits	60		

2014-2015 Catalog Year - MAPP

Interdisciplinary Arts & Performance BA

ASU Major

Interdisciplinary Arts and Performance, BA - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Interdisciplinary Arts and Performances B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition 	3	•			C	
ENG 1101 OR ENG 107: First-Composition for ESL						
ENG 102: First-Year Composition 	3	•			C	
ENG 1102 OR ENG 108: First-Year Composition for ESL						
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•			C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
Lower Division Art and Performance Electives: complete one course that transfer to ASU as an HU in any of the following prefixes: ART, ARH, DNC, DAN, DAH, MUP, MUE, THE, and THP.	3	•		•	C	
Lower Division Humanities and Fine Arts	3	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Natural Science Requirement: Complete at least one SQ.

AGEC Awareness Areas

Lower Division Lower Division Cultural Diversity in the US [C]	0-3	■		C	
Lower Division Lower Division Historical [H] or Global [G]	0-3	■		C	
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication SUN# COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3		■	C	
CRE 101: College Critical Reading (or Equivalent)	0-3		■	C	
Additional Lower Division Requirements					
Lower Division Art and Performance Electives: complete 12 credits of coursework that transfer to ASU in any of the following prefixes:ART, ARH, DNC, DAN, DAH, MUP, MUE, THE, and THP.	9		■	C	Lower Division Art & Performance Elective: students are encouraged to select courses that also meet AGECE requirements.
Lower Division Language and Cultures: Requirement satisfied through the following: Completion of secondary education at a school in which the language of instruction is not English OR Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language	0-16		■	C	Languages and Cultures Requirement can be completed after transfer to ASU.
Lower Division Elective	17-0			C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	61				

2014-2015 Catalog Year - MAPP

Interdisciplinary Arts and Sciences BA

ASU Major

Interdisciplinary Arts and Sciences, BA - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Interdisciplinary Arts and Sciences B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•	•		C	
Mathematical Studies						
MAT 142: College Mathematics	3	•			C	
Lower Division Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•	•		C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	
General Education Awareness Areas						
Lower Division Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Lower Division Historical or Global [H] or [G]	0-3	•			C	

MCCC Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C	
CRE 101: College Critical Reading (or Equivalent)	0-3	•	C	
Additional Lower Division Requirements				
Lower Division Language and Cultures: Requirement satisfied through the following: Completion of secondary education at a school in which the language of instruction is not English OR Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language	0-16		•	C
Lower Division Elective	25-0		C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60			

2014-2015 Catalog Year - MAPP

Interdisciplinary Studies BIS

ASU Major

Interdisciplinary Studies, BIS - School of Letters and Sciences

Special Requirements

Students must complete the MAPP and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGEC-S, or AGEC-B) certified on their transcript and must have their Associate Degree (AA, AB, AS, AAEE, or AFA) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Interdisciplinary Studies B.I.S. degree program. The Bachelor of Interdisciplinary Studies allows students to take an active role in designing their own major by selecting two subject areas. Students should follow the BIS Concentration Checksheet for their two subject areas of interest. Some combinations are not permissible; contact an ASU advisor for additional information. Special requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
MCCCD Additional Requirements						
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communications	0-3	■			C	
CRE 101: College Critical Reading	0-3	■			C	
Maricopa AGEC	35	■			C	Complete courses to complete the Maricopa Arizona General Education Curriculum (AGEC) based on your Associate's degree. A completed AGEC satisfies lower division general studies and first year composition.
Lower Division Concentration Courses - Students should refer to the BIS Concentration Checksheet for their two subject areas to determine what if any courses fulfill their subject area requirements and Associate's degree requirements.	0-12			■	C	
Lower Division Elective	25-0				C	
Required Credits	60					

2014-2015 Catalog Year - MAPP

Interdisciplinary Studies (Organizational Studies) BIS

ASU Major

Interdisciplinary Studies (Organizational Studies), BIS - School of Letters and Sciences

Special Requirements

Students must complete the MAPP and all special requirements, must have the Arizona General Education Curriculum (AGEC) certified on their transcript and must have their Associate Degree (AA, AB, AS, AAEE, or AFA) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Interdisciplinary Studies (Organizational Studies) B.I.S. degree program. Special requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
Maricopa AGECE	35	•			C	Complete courses to complete the Maricopa Arizona General Education Curriculum (AGEC) based on your Associate's degree. A completed AGECE satisfies lower division general studies and first year composition.
Lower Division Elective	37			•	C	Select courses that transfer as direct equivalencies, Departmental Elective credit (DEC), or Elective credit (E) from the Course Equivalency Guide.
COM 100: Introduction to Human Communication  COM 1100	3			•	C	
Required Credits	75					

2014-2015 Catalog Year - MAPP

International Letters and Cultures (Classical Civilization), BA

ASU Major

International Letters and Cultures (Classical Civilization), BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the International Letters and Cultures (Classical Civilization) B.A., degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Sciences						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Natural Science Requirement [SG/SQ]: at least one lab science must be an SQ.
AGEC Awareness Areas						
Lower Division Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Lower Division Historical or Global [H] or [G]	0-3	•			C	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C

CRE 101: College Critical Reading (or Equivalent)	0-3	•	C

Additional Lower Division Requirements

SLC 201: Introduction To Linguistics	3	•	C

Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16	•	C	Second Language Requirement: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.

Lower Division Elective	22-0		C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits	60

2014-2015 Catalog Year - MAPP

International Letters & Cultures (Classics) - Latin, BA

ASU Major

International Letters and Cultures (Classics), BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECE-A, meets major map requirements at ASU, and guarantees admission to the International Letters and Cultures (Classics) with an emphasis in Latin B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGECE-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Sciences						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Natural Science Requirement [SG/SQ]: at least one lab science must be an SQ.
AGECE Awareness Areas						
Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Historical or Global [H] or [G]	0-3	•			C	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR
COM 110: Interpersonal Communication
OR
COM 225: Public Speaking OR
COM 230: Small Group Communication

0-3

•

C

CRE 101: College Critical Reading (or
Equivalent)

0-3

•

C

Additional Lower Division Requirements

SLC 201: Introduction To Linguistics

3

•

C

LAT 101: Elementary Latin I  LAT
1101

4

•

C

LAT 102: Elementary Latin II  LAT
1102

4

•

C

LAT 201: Intermediate Latin I  LAT
2201

4

•

C

LAT 202: Intermediate Latin II  LAT
2201

4

•

C

Lower Division Elective

6-0

C

Lower Division Electives
should be completed once all
other requirements have been
met and only if needed to
complete community college's
associate degree requirements.

Required Credits**60**

2014-2015 Catalog Year - MAPP

Italian BA

ASU Major

Italian, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Italian B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. 2.33 cumulative GPA required in all Sun Devil tracking courses: ITA 101/101AA, ITA 102/102AA, ITA 201, ITA 202.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	■	■		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	■	■		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	■			C	
Mathematical Studies						
MAT 142 : College Mathematics	3	■	■		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	■			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	■			C	Three credit hours of Humanities and Fine Arts or Social and Behavioral Sciences may be satisfied by ENG 213 or SLC 201. SLC 201 is preferred.
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	■			C	
Natural Science						
Lower Division Natural Sciences	8	■			C	Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	■	C	
Lower Division Historical or Global [H] or [G]	0-3	■	C	Three credit hours [G] met by ITA 201.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C	
CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

ITA 101: Elementary Italian I  ITA 1101 OR ITA 101AA: Elementary Italian I  ITA 1101	4	■	C	Demonstrated language proficiency at or above the 202 level is required for enrollment in upper division major requirements courses.
ITA 102: Elementary Italian II  ITA 1102 OR ITA 102AA: Elementary Italian II  ITA 1102	4	■	C	
ITA 201: Intermediate Italian I  ITA 2201	4	■	C	
ITA 202: Intermediate Italian II  ITA 2202	4	■	C	
SLC 201: Introduction To Linguistics OR ENG 213: Introduction To The Study of Language	3	■	C	Three credit hours of Humanities and Fine Arts or Social and Behavioral Sciences may be satisfied by ENG 213 or SLC 201. SLC 201 is preferred.
Lower Division Elective	6-0	■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60			

2014-2015 Catalog Year - MAPP

Journalism & Mass Communication BA

ASU Major

Journalism and Mass Communication, BA - Walter Cronkite School of Journalism & Mass Comm

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Journalism & Mass Communication B.A. degree program. Special Requirements: students are required to have at least a 3.0 GPA in all transferable hours of college credit earned after high school. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
JRN 201: News Writing  JRN 2201	3	•	•		C	
Mathematical Studies						
MAT 142: College Mathematics OR MAT 151: College Algebra/Functions  MAT 1151	3-4	•			C	
Computer/Statistics/Quantitative Apps [CS] - complete a course that transfer to ASU as STP 226 or PSY 230.	3	•		•	C	
Humanities and Fine Arts						
PHI 101: Introduction to Philosophy  OR PHI 1101 OR PHI 103: Introduction to Logic  PHI 1103 OR PHI 105: Introduction to Ethics  PHI 1105	3	•		•	C	
Humanities and Fine Arts	3	•			C	
Social and Behavioral Sciences						
MCO 120: Media and Society	3	•	•		C	
ECN 211: Macroeconomic Principles  ECN 2201 OR ECN 212: Microeconomic Principles  ECN 2202	3	•		•	C	

Natural Science					
Lower Division Natural Sciences	8	■	C	Select at least one SQ course within the Natural Science Requirement.	
AGEC Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0-3	■	C		
Lower Division Historical or Global [H] or [G]	0-3	■	C		
MCCCD Additional Requirements					
COM 100: Introduction To Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	3	■	C		
CRE 101: College Critical Reading (or Equivalent)	0-3	■	C		
Additional Lower Division Requirements					
SOC 101: Introduction to Sociology  SOC 1101 OR PSY 101: Introduction to Psychology  PSY 1101	3		■	C	
POS 110: American National Government  POS 1110	3		■	C	
HIS 103: United States History To 1865 OR HIS 108: United States History 1945 To Present OR HIS 203: African-American History To 1865	3		■	C	
Related Course: Select a course that transfers to ASU with one of the following prefixes: ASB, ASM, ACC, ECN, FIN, LES, MGT, MKT, REA, ENG, FAS, GPH, GCU, HST, COM, JUS, POS, REL, SOC, THE, THP, WSH, or WST.	3		■	C	
Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16		■	C	Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. Can be completed after transfer.
Elective	10-0		C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.	
Required Credits	60				

2014-2015 Catalog Year - MAPP

Justice Studies BA

ASU Major

Justice Studies, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Justice Studies B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
ENG 215: Strategies of Academic Writing OR ENG 216: Persuasive Writing on Public Issues OR ENG 217: Personal and Exploratory Writing OR ENG 218: Writing About Literature	3	•		•	C	
Mathematical Studies						
MAT 142: College Mathematics Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
AJS 101: Introduction to Criminal Justice OR AJS 200: Current Issues in Criminal Justice	3	•		•	C	
Lower Division Social and Behavioral Sciences	3	•			C	

Natural Science

Lower Division Natural Sciences	8	-	C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas				
Lower Division Cultural Diversity in the US [C]	0-3	■	C	
Lower Division Historical or Global [H] or [G]	0-3	■	C	
MCCCD Additional Requirements				
CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent
Additional Lower Division Requirements				
Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16	■	C	Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.
Lower Division Elective	25-0	■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60			

2014-2015 Catalog Year - MAPP

Justice Studies BS

ASU Major

Justice Studies, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Justice Studies B.S. degree program. Special Requirements: 2.00 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
ENG 215: Strategies of Academic Writing OR ENG 216: Persuasive Writing on Public Issues OR ENG 217: Personal and Exploratory Writing OR ENG 218: Writing About Literature	3	•		•	C	
Mathematical Studies						
MAT 142: College Mathematics Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
AJS 200: Current Issues in Criminal Justice OR AJS 101: Introduction to Criminal Justice	3	•		•	C	
Lower Division Social and Behavioral Sciences	3	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ within

the Natural Science
requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	■	C

Lower Division Historical or Global [H] or [G]	0-3	■	C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C

CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

Lower Division Elective	25-0	■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits	60

2014-2015 Catalog Year - MAPP

Kinesiology BS

ASU Major

Kinesiology, BS - College of Health Solutions

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Kinesiology B.S. degree program. Special Requirements: All courses must be completed with a grade of "C" or better, EXS 101 must be completed with a grade of "B" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•	•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
PSY 290AB: Research Methods OR PSY 290AC: Research Methods	3-4	•	•		C	
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  OR MAT 220	3	•	•		C	
PSY 230: Introduction to Statistics OR MAT 206: Elements of Statistics OR SWU 225: Statistics for Social Research/Justice and Government OR JAS 225: Statistics For Social Research/Justice and Government	3	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
PSY 101: Introduction to Psychology	3	•	•		C	
Lower Division Social and Behavioral Sciences	3	•			C	
Natural Science						
CHM 151: General Chemistry I 	4	•	•		C	

CHM 1151 AND CHM 151LL: General Chemistry I Laboratory  CHM 1151					
BIO 202: Human Anatomy and Physiology II  BIO 2202	4	•	•	C	
General Education Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0-3	•		C	
Lower Division Historical or Global [H] or [G]	0-3	•		C	
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C	
CRE 101: College Critical Reading	0-3	•		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements					
BIO 201: Human Anatomy and Physiology I  BIO 2201	4		•	C	
CHM 152: General Chemistry II  CHM 1152 AND CHM 152LL: General Chemistry II Laboratory  CHM 1152	4		•	C	
EXS 101: Introduction to Exercise Science, Kinesiology, and Physical Education	3		•	B	EXS 101 - Must be completed with a grade of "B" or higher.
PHY 111: General Physics I  PHY 1111 B	4		•	C	
BIO 181: General Biology (Majors) I  BIO 1181	4			C	
BIO 182: General Biology (Majors) II  BIO 1182	4			C	
PHY 112: General Physics II  PHY 1112 B	4			C	
Required Credits	62				

2014-2015 Catalog Year - MAPP

Liberal Studies, BLS

ASU Major

Liberal Studies, BLS - School of Letters and Sciences

Special Requirements

Students must complete the MAPP and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGEC-S, or AGEC-B) certified on their transcript and must have their Associate Degree (AA, AB, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Liberal Studies, BLS degree program. The BLS program is available Online and allows students to transfer up to 75 credit hours. Special requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway AGEC-A, AGEC-B, AGEC-S Credits	Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
AGEC Awareness Areas						
Maricopa AGEC	35	•			C	Complete courses to complete the Maricopa Arizona General Education Curriculum (AGEC) based on your Associate's degree. A completed AGEC satisfies lower division general studies and first year composition.
MCCCD Additional Requirements						
COM 100: Introduction to Human Communication  OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communications	0-3	•			C	
CRE 101: College Critical Reading	0-3	•			C	Complete CRE 101 or equivalent
Additional Lower Division Requirements						
Lower Division Elective	40				C	
Required Credits	75					

2014-2015 Catalog Year - MAPP

Life Sciences, BA

ASU Major

Life Sciences, BA - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Life Sciences B.A. degree program. Special Requirements: 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. If a student has previously attended ASU but left with a gpa below 2.5, that student is not eligible to pursue this pathway because the student is not admissible to Life Sciences at the Tempe campus.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-year Composition  ENG 1101 OR ENG 107: First-year Composition For ESL	3	•			C	
ENG 102: First-year Composition  ENG 1102 OR ENG 108: First-year Composition For ESL	3	•			C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 187: Precalculus  MAT 1187	5	•			C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	Computer Statistics [CS] requirement - recommend completing a course that transfers to ASU STP 226.
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
BIO 181: General Biology (Majors) I  BIO 1181	4	•	•		C	
BIO 182: General Biology (Majors) II  BIO 1182	4	•	•		C	
General Education Awareness Areas						
Lower Division Cultural Diversity in the	0-3	•			C	

US

Lower Division Historical or Global	0-3	•			C	
MCCCD Additional Requirements						
COM 100: Introduction To Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3		•		C	
CRE 101: College Critical Reading	0-3		•		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements						
CHM 151: General Chemistry I  CHM 1151 AND CHM 151LL: General Chemistry I Laboratory  CHM 1151 OR CHM 150AA: General Chemistry I  CHM 1151 OR CHM 151AA: General Chemistry I  CHM 1151	4-5			•	C	
CHM 152: General Chemistry II  CHM 1152 AND CHM 152LL: General Chemistry II Laboratory  CHM 1152 OR CHM 152AA: General Chemistry II  CHM 1152	4-5			•	C	
CHM 230: Fundamental Organic Chemistry  CHM 2230 AND CHM 230LL: Fundamental Organic Chemistry Laboratory  CHM 2230	4			•	C	
Additional Lab Science - complete two additional lab sciences from the following options: PHY 101, OR GLG 101 and GLG 103, OR PHY 111 and PHY 113, OR PHY 112 and PHY 114.	8		•	•	C	
Lower Division Elective	3				C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60					

2014-2015 Catalog Year - MAPP

Life Sciences BS

ASU Major

Life Sciences, BS - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Life Sciences B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•	•	C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	•			C	Recommend selecting a course which satisfies L (Literacy and Critical Inquiry) and SB (Social & Behavioral Sciences) OR L and HU (Humanities and Fine Arts) OR L and COM OR L and CRE 101
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  MAT 220	4	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	
Natural Science						
BIO 181: General Biology (Majors) I  BIO 1181	4	•	•		C	
BIO 182: General Biology (Majors) II  BIO 1182	4	•	•		C	

CHM 151: General Chemistry I  CHM 1151 AND CHM 151LL: General Chemistry I Laboratory  CHM 1151 OR CHM 151AA: General Chemistry I  CHM 1151 OR CHM 150AA: General Chemistry I  CHM 1151	4	•	•	C	
Subject Options					
CHM 152: General Chemistry II  CHM 1152 AND CHM 152LL: General Chemistry II Laboratory  CHM 1152	4	•	•	C	
MAT 230: Calculus With Analytic Geometry II  MAT 2230 OR MAT 231: Calculus With Analytic Geometry II  MAT 2230	4-5		•	C	
General Education Awareness Areas					
Lower Division Cultural Diversity in the US	0-3	•		C	
Lower Division Historical or Global	0-3	•		C	
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C	
CRE 101: College Critical Reading	0-3	•		C	
Additional Lower Division Requirements					
CHM 235: General Organic Chemistry I  CHM 2235 AND CHM 235LL: General Organic Chemistry I Laboratory  CHM 2235	4		•	C	
CHM 236: General Organic Chemistry IIA  CHM 2236 AND CHM 236LL: General Organic Chemistry IIA Laboratory  CHM 2236	0-4		•	C	CHM 236, PHY 111, PHY 112: Required for Life Sciences major at ASU. You may transfer these courses as a part of your AS degree or complete them during enrollment at ASU.
PHY 111: General Physics I  PHY 1111 B	0-4		•	C	
PHY 112: General Physics II  PHY 1112 B	0-4		•	C	
Elective	14-2		•	C	
Required Credits	60				

2014-2015 Catalog Year - MAPP

Mass Communication and Media Studies BA

ASU Major

Mass Communication and Media Studies, BA - Walter Cronkite School of Journalism & Mass Comm

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECE-A, meets major map requirements at ASU, and guarantees admission to the Mass Communication and Media Studies B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGECE-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•			C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•			C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematics						
MAT 142: College Mathematics	3	•			C	
Lower Division Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Sciences						
MCO 120: Media And Society	3	•	•		C	
Lower Division Social and Behavioral Sciences	3	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Natural Science Requirement: complete at least one SQ.
AGECE Awareness Areas						
Lower Division Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Lower Division Historical or Global [H] or [G]	0-3	•			C	

MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■		C
CRE 101: College Critical Reading (or Equivalent)	0-3	■		C
Additional Lower Division Requirements				
JRN 205: Copyediting OR Lower Division Elective	3		■	C
Lower Division Elective	22-0			C
Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.				
Required Credits	60			

2014-2015 Catalog Year - MAPP

Mathematics BA

ASU Major

Mathematics, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Mathematics B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. 2.8 cumulative GPA in all Sun Devil Tracking courses: CSC100 or 110, MAT221, MAT231, MAT241, MAT227.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  OR MAT 220	4	•	•		C	
CSC 100: Introduction to Computer Science (C++) OR CSC 100AA: Introduction to Computer Science (C++) OR CSC 110AA: Introduction to Computer Science (Java) OR CSC 110: Introduction To Computer Science OR CSC 110AB: Introduction to Computer Science (Java)	3	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	

Natural Science

PHY 121: University Physics I: Mechanics 4 • • C

Lower Division Natural Sciences 4 • C

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C] 0-3 • C

Lower Division Historical or Global [H] or [G] 0-3 • C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication 0-3 • C

CRE 101: College Critical Reading 0-3 • C Complete CRE 101 or equivalent.

Additional Lower Division Requirements

MAT 227: Discrete Mathematical Structures  MAT 227 3 • C

MAT 230: Calculus With Analytic Geometry II  MAT 2230 OR MAT 231: Calculus With Analytic Geometry II  MAT 2230 4-5 • C

MAT 240: Calculus With Analytic Geometry III  MAT 2241 OR MAT 241: Calculus With Analytic Geometry III  MAT 2241 4-5 • C

MAT 262: Differential Equations  MAT 2262 OR MAT 277: Modern Differential Equations 3 • C

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV 0-16 • C Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

Lower Division Elective 10-0 • C

2.8 cumulative GPA in CSC 100: Introduction to Computer Science (C++) OR CSC 110: Introduction to Computer Science (Java), MAT 221: Calculus with Analytic Geometry I, MAT 231: Calculus with Analytic Geometry II, MAT 241: Calculus with Analytic Geometry III, MAT 227: Discrete Mathematical Structures

Required Credits

60

2014-2015 Catalog Year - MAPP

Mathematics BS

ASU Major

Mathematics, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Mathematics B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. 3.0 cumulative GPA in all Sun Devil Tracking courses : CSC110, CSC110AA, CSC205, CSC205AA, MAT221, MAT231, MAT 241.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  OR MAT 220	4	•	•		C	
CSC 110: Introduction to Computer Science (Java) OR CSC 110AA: Introduction to Computer Science (Java) OR CSC 110AB: Intro To Computer Science (Java)	3-4	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
PHY 121: University Physics I: Mechanics	4	•		•	C	

Lower Division Natural Sciences	4	•		C	
General Education Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0-3	•		C	
Lower Division Historical or Global [H] or [G]	0-3	•		C	
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C	
CRE 101: College Critical Reading	0-3	•		C	Complete CRE 101 or equivalent.
Additional Lower Division Requirements					
CSC 205: Object Oriented Programming CSC 2205 OR CSC 205AA: Object Oriented Programming OR CSC 205AB: Object Oriented Programming A CSC 2205	3-4		•	C	
MAT 230: Calculus With Analytic Geometry II MAT 2230 OR MAT 231: Loading... MAT 2230	4-5		•	C	
MAT 240: Calculus With Analytic Geometry III MAT 2241 OR MAT 241: Calculus With Analytic Geometry III MAT 2241	4-5		•	C	
MAT 227: Discrete Mathematical Structures MAT 2227	3			•	C
Lower Division Elective	7-0			C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
MAT 262: Differential Equations MAT 2262 OR MAT 277: Modern Differential Equations	3			•	C
3.0 cumulative GPA in MAT 241: Calculus with Analytic Geometry III, MAT 231: Calculus with Analytic Geometry II, MAT 221: Calculus with Analytic Geometry I, CSC 110: Introduction to Computer Science (Java) OR CSC 110AA: Introduction to Computer Science (Java), CSC 205: Object Oriented Programming OR CSC 205AA: Object Oriented Programming					

Required Credits

60

2014-2015 Catalog Year - MAPP

Mathematics (Secondary Education), BS

ASU Major

Mathematics (Secondary Education), BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Mathematics-Secondary Education BS degree program. Special Requirements: All courses must be completed with a grade of "C" or better. 2.5 GPA in coursework used to satisfy MAPP requirements. A grade of "B" or better is required in ASU tracked courses: MAT 221, MAT 231, MAT 241. While successful completion of the MAPP will guarantee admission to ASU's School of Mathematical and Statistical Sciences, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to an academic advisor in the School of Mathematical and Statistical Sciences to discuss these requirements further.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Mathematical Studies						
Lower Division Computer/Statistics/Quantitative Applications	3	•		•	C	Possible courses include CSC 110, CSC 110AA, CSC 205, CSC 205AA, and SWU 225.
MAT 221: Calculus with Analytic Geometry I  MAT 2220	4	•	•		C	
Humanities and Fine Arts						
HIS 103: United States History to 1865	3	•		•	C	
Lower Division Humanities and Fine Arts	3	•			C	
Social and Behavioral Science						
EDU 222: Introduction to the Exceptional Learner	3	•		•	C	
Lower Division Social and Behavioral Sciences	3	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Lower Division - Natural Science - Select at least one SQ within the Natural Science requirement.

Additional Lower Division Requirements

MAT 230: Calculus With Analytic Geometry II  MAT 2230 OR MAT 231: Calculus With Analytic Geometry II  MAT 2230	4-5	•		C	
MAT 240: Calculus With Analytic Geometry III  MAT 2241 OR MAT 241: Calculus With Analytic Geometry III  MAT 2230	4-5	•		C	
EDU 220: Introduction to Serving English Language Learners (ELL)	3	•	•	C	
POS 221: Arizona Constitution	1		•	C	POS 221 - Fulfills ASU AZ constitution requirement.
Lower Division Elective	12-0		•	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C	
Lower Division Literacy and Critical Inquiry	3	•		C	
Lower Division Cultural Diversity in the US [C]	0	•		C	Cultural Diversity in the US - 3 hrs [C] met by EDU 222.
Lower Division Historical or Global [H] or [G]	0	•		C	Historical or Global - 3 hrs [H] met by HIS 103.
CRE 101: College Critical Reading	0-3	•		C	College Critical Reading - Complete CRE 101 or equivalent.
Required Credits	60				

2014-2015 Catalog Year - MAPP

Mathematics (Statistics), BS

ASU Major

Mathematics (Statistics), BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Sciences degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Mathematics B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. 3.0 cumulative GPA in all Sun Devil Tracking courses : CSC110, CSC205, MAT221, MAT231, MAT 241.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	PHI 103: Introduction to Logic (L) recommended for fulfilling the Literacy Requirement
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  OR MAT 2220	4	•	•		C	
CSC 110: Introduction to Computer Science (Java) OR CSC 110AA: Introduction to Computer Science (Java) OR CSC 110AB: Intro To Computer Science (Java)	3-4		•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
PHY 121: University Physics I: Mechanics	4	•		•	C	

PHY 131: University Physics II: Electricity  PHY 1131 B	1	•	•	C
Lower Division Natural Sciences	4	•		C
AGEC Awareness Areas				
Lower Division Historical or Global [H] or [G]	0-3	•		C
Lower Division Cultural Diversity in the US [C]	0-3	•		C
Subject Options				
MAT 230: Calculus With Analytic Geometry II  MAT 2230 OR MAT 231: Calculus With Analytic Geometry II  MAT 2230	4-5	•	•	C
MAT 240: Calculus With Analytic Geometry III  MAT 2241 OR MAT 241: Calculus With Analytic Geometry III  MAT 2241	4-5	•	•	C
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3		•	C
CRE 101: College Critical Reading	0-3		•	C Complete CRE 101 or equivalent.
Additional Lower Division Requirements				
MAT 262: Differential Equations  MAT 2262 OR MAT 277: Modern Differential Equations	3		•	C
CSC 205: Object Oriented Programming and Data Structures  CSC 2205 OR CSC 205AA: Object Oriented Programming and Data Structures OR CSC 205AB: Object Oriented Programming and Data Structures OR CSC 205AC: Object Oriented Programming and Data Structures OR CSC 205AD: Object Oriented Programming and Data Structures	3-4		•	C
Lower Division Elective	10-0			C Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

3.0 cumulative GPA in MAT 241: Calculus with Analytic Geometry III, MAT 231: Calculus with Analytic Geometry II, MAT 221: Calculus with Analytic Geometry I, CSC 110:

Introduction to Computer Science (Java)
OR CSC 110AA: Introduction to
Computer Science (Java), CSC 205:
Object Oriented Programming OR CSC
205AA: Object Oriented Programming

Required Credits

61

2014-2015 Catalog Year - MAPP

Microbiology BS

ASU Major

Microbiology, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Microbiology B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 1101 OR ENG 107: First-Year Composition for ESL	3	■	■		C	
ENG 102: First-Year Composition  OR ENG 1102 OR ENG 108: First-Year Composition for ESL	3	■	■		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	■			C	Recommend selecting a course which satisfies L (Literacy and Critical Inquiry) and SB (Social & Behavioral Sciences) OR L and HU (Humanities and Fine Arts) OR L and COM OR L and CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 220: Calculus With Analytic Geometry I  OR MAT 221: Calculus With Analytic Geometry I  OR MAT 220	4-5	■	■		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	■			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	■			C	
Natural Science						
BIO 181: General Biology (Majors) I	4	■	■		C	

SUN# BIO 1181

BIO 182: General Biology (Majors) II	4	•	•	C

SUN# BIO 1182**Subject Options**

CHM 151: General Chemistry I SUN#	4-5	•	•	C

CHM 1151 AND

CHM 151LL: General Chemistry I

Laboratory **SUN#**CHM 1151 OR

CHM 150AA: General Chemistry I

SUN#CHM 1151 OR

CHM 151AA: General Chemistry I

SUN#CHM 1151

CHM 152: General Chemistry II SUN#	4	•	•	C

CHM 1152 AND

CHM 152LL: General Chemistry II

Laboratory **SUN#**CHM 1152**General Education Awareness Areas**

Lower Division Cultural Diversity in the US [C]	0-3	•		C

Lower Division Historical or Global [H] or [G]	0-3	•		C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication SUN# COM 1100 OR	0-3	•		C

COM 110: Interpersonal Communication OR

COM 225: Public Speaking OR

COM 230: Small Group Communication

CRE 101: College Critical Reading	0-3	•		C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

BIO 220: Biology of Microorganisms	4		•	C

CHM 230: Fundamental Organic Chemistry SUN# CHM 2230 AND	4-8		•	C	Complete either CHM 230/230LL, or CHM 235/235LL AND CHM 236/236LL. Pre-Health students should choose two-semester options for chemistry and physics.

CHM 230LL: Fundamental Organic

Chemistry Laboratory **SUN#**CHM 2230

OR

CHM 235: General Organic Chemistry I

SUN#CHM 2235 AND

CHM 235LL: General Organic

Chemistry I Laboratory **SUN#**CHM 2235

AND

CHM 236: General Organic Chemistry

IIA **SUN#**CHM 2236 AND

CHM 236LL: General Organic

Chemistry IIA Laboratory **SUN#**CHM

2236

PHY 101: Introduction To Physics OR	4-8		•	C	MCCCD's PHY 111 = ASU's PHY 111 and PHY 113. MCCCD's PHY 112 = ASU's PHY 112 and PHY 114. Pre-Health students should choose two-semester options for chemistry and physics.

PHY 111: General Physics I **SUN#**PHY

1111 AND

PHY 112: General Physics II **SUN#**PHY

1112 OR

PHY 101AA: Introduction To Physics

MAT 206: Elements Of Statistics 

3



C

MAT 1160

Lower Division Elective

8-0



C

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits

61

2014-2015 Catalog Year - MAPP

Molecular Biosciences/Biotechnology, BS

ASU Major

Molecular Biosciences and Biotechnology, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGECS, meets major map requirements at ASU, and guarantees admission to the Biological Sciences B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Year Composition for ESL	3	■	■		C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	■	■		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	■			C	Recommend selecting a course which satisfies L (Literacy and Critical Inquiry) and SB (Social & Behavioral Sciences) OR L and HU (Humanities and Fine Arts) OR L and COM OR L and CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 220: Calculus with Analytic Geometry  MAT 220 OR MAT 221: Calculus With Analytic Geometry  MAT 220	4-5	■	■		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	■			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	■			C	
Natural Science						
BIO 181: General Biology (Majors) I	4	■	■		C	

SUN# BIO 1181

BIO 182: General Biology (Majors) II	4	•	•	C

SUN# BIO 1182**Subject Options**

CHM 151: General Chemistry I SUN#	4	•	•	C

CHM 1151 AND

CHM 151LL: General Chemistry I

Laboratory **SUN#**CHM 1151 OR

CHM 151AA: General Chemistry I

SUN#CHM 1151

CHM 152: General Chemistry II SUN#	4	•	•	C

CHM 1152 AND

CHM 152LL: General Chemistry II

Laboratory **SUN#**CHM 1152 OR

CHM 152AA: General Chemistry II

SUN#CHM 1152**AGEC Awareness Areas**

Lower Division Cultural Diversity in the US [C]	0-3	•		C

Lower Division Historical or Global [H] or [G]	0-3	•		C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication SUN# COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C

CRE 101: College Critical Reading	0-3	•		C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

BIO 212AA: Biotechnology I	4	•	•	C

BIO 220: Biology of Microorganisms	0-4		•	C	BIO 220 - may be taken after transfer to ASU.

CHM 230: Fundamental Organic Chemistry SUN# CHM 2230 AND CHM 230LL: Fundamental Organic Chemistry Laboratory SUN# CHM 2230 OR CHM 235: General Organic Chemistry I SUN# CHM 2235 AND CHM 235LL: General Organic Chemistry I Laboratory SUN# CHM 2235	4		•	C	Students planning to attend medical school should take CHM 235/235LL if possible.

CHM 236: General Organic Chemistry IIA SUN# CHM 2236 AND CHM 236LL: General Organic Chemistry IIA Laboratory SUN# CHM 2236	4-0		•	C	CHM 236/236LL only required if completed CHM 235/235LL to complete Organic Chemistry requirement.

MAT 206: Elements Of Statistics SUN# MAT 1160	3		•	C

PHY 101: Introduction to Physics OR PHY 111: General Physics I SUN# PHY 1111 AND	4-8		•	C

PHY 112: General Physics II PHY 1112

Lower Division Elective

4-0



C

Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits

61

2014-2015 Catalog Year - MAPP

Music BA

ASU Major

Music, BA - Herberger Institute for Design and the Arts

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU. Acceptance into the School of Music is contingent upon a successful audition the semester before transferring to ASU. Please refer to the following website for application and audition deadlines: <http://music.asu.edu/admissions/> Students wishing to pursue a Bachelors of Music Degree (with the exception of BM Theory & Composition in Theory) should meet with a Herberger advisor to discuss audition preparation by their third term of study at the community college. The Bachelor of Music degree requires successful completion of an audition demonstrating a high level of musicianship and may require more than 2 years of study at ASU. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	■			C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	■			C	
Literacy and Critical Inquiry						
COM 225: Public Speaking	3	■			C	
Mathematical Studies						
MAT 142: College Mathematics	3	■			C	
MTC 180: Computer Literacy for Musicians	3	■			C	
Humanities and Fine Arts						
MHL 143: Music in World Cultures	3	■			C	MHL 143 also fulfills Global [G] awareness area.
Lower Division Arts and Humanities	3	■			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	■			C	Recommend choosing courses that also satisfy the Cultural [C] and Historical [H] awareness areas.
Natural Science						
Lower Division Natural Science	8	■			C	Select at least one SQ within the

Natural Science requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US	0-3	■	C

Lower Division Historical or Global	0	■	C

MCCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0	■	C

CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

MTC 105: Music Theory I AND MTC 106: Aural Perception I	4	■	C

MTC 155: Music Theory II AND MTC 156: Aural Perception II	4	■	C

MTC 205: Music Theory III AND MTC 206: Aural Perception III  MUS 2222	4	■	C

MTC 255: Music Theory IV AND MTC 256: Aural Perception IV  MUS 2223	4	■	C

MUP 102: Private Instruction	2	■	C	MUP 102, 152, 202, and 252: Placement and direct equivalency determined by audition only. Private instruction courses include designated suffix for appropriate instrument.

MUP 152: Private Instruction	2	■	C

MUP 202: Private Instruction	2	■	C

MUP 252: Private Instruction	2	■	C

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16		C	Language Requirement: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.

Elective	1		C

Required Credits	60		

2014-2015 Catalog Year - MAPP

Nonprofit Leadership & Management BS

ASU Major

Nonprofit Leadership and Management, BS - College of Public Programs

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Nonprofit Leadership & Management B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•	•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
COM 225: Public Speaking	3	•	•		C	
Mathematical Studies						
MAT 142: College Mathematics Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•	•	•	C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
SOC 101: Introduction to Sociology  OR SOC 1101	3	•	•		C	
AJS 101: Introduction to Criminal Justice	3	•		•	C	AJS 101 satisfies one of the three courses for the Public Programs Interdisciplinary requirement. The third course will be taken after transfer to ASU.
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ within the Natural Science

requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	•	C

Lower Division Historical or Global [H] or [G]	0-3	•	C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0	•	C

CRE 101: College Critical Reading	0-3	•	C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

REC 210: Leisure Delivery Systems	3	•	C

SWU 171: Introduction to Social Welfare OR SWU 102: Introduction to Social Work	3	•	C	SWU 171/102 satisfy one of the three courses for the Public Programs Interdisciplinary requirement. The third course will be taken after transfer to ASU.

REC 230: Programming of Recreation Services	3	•	C

COM 259: Communication in Business and Professions AND COM 263: Elements of Intercultural Communication	6	•	C	COM 259/COM 263 satisfy 2 courses in the NLM Related Area Requirement. Requires 4 courses (12 hours) for graduation. The remaining 2 courses will be completed after transfer to ASU.

Lower Division Elective	10	•	C	Lower Division Electives may include REC 250 and REC 120 if desired.

Required Credits	60

2014-2015 Catalog Year - RN-BSN

Nursing RN-BSN

ASU Major

Nursing, BSN - College of Nursing & Health Innovation

Special Requirements

Completion of the Maricopa-ASU RN-BSN Pathway Program and the special requirements satisfies the requirements for MCCC Associate of Applied Science degree, satisfies lower division RN-BSN major requirements, and upon receipt of all application materials, guarantees admission to the ASU RN-BSN program. Special Requirements: A grade of "C" or better in each course and a minimum 2.5 cumulative GPA in the following courses is required for guaranteed admission: ENG 101, ENG 102, ENG 107, ENG 108, BIO 201, BIO 202, BIO 205, CHM 130 with lab, and PSY 101/CFS 205/PSY 240. In addition, students must complete the courses that meet the listed general studies requirements with a grade of "C" or better. These courses are not included in the 2.5 cumulative GPA computation. All remaining courses must be completed with a grade of "C" or better. Upon transfer to ASU: Students must have a current RN license in good standing before taking the courses in the RN-BSN program (TWC/NUR). All additional ASU General Studies requirements can be completed while enrolled in the RN-BSN program. All other requirements are selected by the student and must be completed prior to graduation from ASU.

Maricopa Community College District Course Requirements

Required Courses	Pathway Program Credits	ASU Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•		•	C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Mathematical Studies						
MAT 142: College Mathematics OR MAT 152: College Algebra/Functions  MAT 1151 OR MAT 187: Precalculus OR MAT 212: Brief Calculus	3	•		•	C	Math Studies - May be satisfied by any course that transfers to ASU with a MA designation as shown in the Course Equivalency Guide.
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	3				C	
Social and Behavioral Science						
PSY 101: Introduction to Psychology  PSY 1101 OR CFS 205: Human Development OR PSY 240: Developmental Psychology	3	•		•	C	
Natural Science						
CHM 130: Fundamental Chemistry  CHM 1130 AND CHM 130LL: Fundamental Chemistry Laboratory  CHM 1130	4	•		•	C	
BIO 202: Human Anatomy and Physiology II	4	•		•	C	

AGEC Awareness Areas

Lower Division Cultural Diversity in the US, Historical or Global	0			C	Cultural Diversity in the US, Historical or Global - May select courses that concurrently satisfy General Education categories (HU, SB) and Awareness Areas (C, H, or G). ASU requires all three awareness areas for graduation (C, H, and G) which may be completed after transfer to ASU.

MCCCD Additional Requirements

CRE 101: College Critical Reading	0-3			C	Complete CRE 101 or equivalent
BIO 156: Introductory Biology of Allied Health OR BIO 181: General Biology (Majors) I OR One year of high school biology	0-4	•		C	
Intermediate Algebra (MAT 120, MAT 121, or MAT 122) OR Higher level mathematics course	0-5	•		C	Intermediate Algebra - May be met by College Mathematics requirement.
BIO 201: Human Anatomy and Physiology I  BIO 2201	4	•	•	C	BIO 201 - Concurrently satisfies MCCCD prerequisite, General Education, and ASU lower division requirements.
BIO 205: Microbiology  BIO 2205 B	4	•	•	C	
NUR 171: Nursing Theory and Science II	8	•		C	
NUR 251: Nursing Theory and Science III	8	•		C	
NUR 271: Nursing Theory and Science IV	7	•		C	
NUR 291: Nursing Clinical Capstone	2	•		C	
PSY 230: Introduction to Statistics OR MAT 206: Elements of Statistics  MAT 1160 OR GBS 221: Business Statistics  BUS 2201	3		•	C	
NUR 151: Nursing Theory and Science I	10	•		C	
Required Credits	69				

2014-2015 Catalog Year - MAPP

Nutrition (Dietetics) BS

ASU Major

Nutrition (Dietetics), BS - College of Health Solutions

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Nutrition (Dietetics) B.S. degree program. All courses must be completed with a grade of "C" or better. ASU's Nutrition (Dietetics) BS degree meets the Academy of Nutrition and Dietetics Didactic Program in Dietetics (DPD) requirements which qualifies students to apply for a Dietetic Internship.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	■	■		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	■	■		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	■			C	
Mathematical Studies						
MAT 142: College Mathematics	3	■		■	C	
SWU 225: Statistics for Social Research/Justice and Government OR JAS 225: Statistics for Social Research/Justice and Government OR GBS 221: Business Statistics OR PSY 230: Introduction to Statistics OR MAT 206: Elements of Statistics	3	■		■	C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	■			C	
Social and Behavioral Science						
PSY 101: Introduction to Psychology  PSY 1101	3	■	■		C	
Lower Division Social and Behavioral Sciences	3	■			C	
Natural Science						

CHM 130: Fundamental Chemistry  CHM 1130 AND CHM 130LL: Fundamental Chemistry Laboratory  CHM 1130	4	-	-	C
BIO 201: Human Anatomy and Physiology I  BIO 2201	4	•	•	C
General Education Awareness Areas				
Lower Division Cultural Diversity in the US [C]	0-3	•		C
Lower Division Historical or Global [H] or [G]	0-3	•		C
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C
CRE 101: College Critical Reading	0-3	•		C
				Complete CRE 101 or equivalent
Additional Lower Division Requirements				
BIO 202: Human Anatomy and Physiology II  BIO 2202	4		•	C
FON 125: Introduction to Professions in Nutrition and Dietetics	1		•	C
FON 241: Principles of Human Nutrition	3		•	C
BIO 205: Microbiology  BIO 2205 B	4		•	C
CHM 230: Fundamental Organic Chemistry  CHM 2230 AND CHM 230LL: Fundamental Organic Chemistry Laboratory  CHM 2230	4		•	C
FON 142AB: Applied Food Principles OR Lower Division Elective	3		•	C
Elective	6		•	C
Required Credits	60			

2014-2015 Catalog Year - MAPP

Nutrition (Food & Nutrition Management) BS

ASU Major

Nutrition (Food and Nutrition Management), BS - College of Health Solutions

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Nutrition (Food & Nutrition Management) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. ASU's Nutrition (Food & Nutrition Management) BS degree does not meet the Academy of Nutrition and Dietetics Didactic Program in Dietetics (DPD) requirements, thus does not qualify students to apply for a Dietetic Internship.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition 	3	•	•		C	
ENG 1101 OR ENG 107: First-Year Composition for ESL						
ENG 102: First-Year Composition 	3	•	•		C	
ENG 1102 OR ENG 108: First-Year Composition for ESL						
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•	•	C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
PSY 101: Introduction to Psychology	3	•		•	C	
ECN 211: Macroeconomic Principles 	3	•		•	C	
ECN 2201						
Natural Science						
CHM 130: Fundamental Chemistry 	4	•	•		C	
CHM 1130 AND CHM 130LL: Fundamental Chemistry Laboratory 						
BIO 205: Microbiology  BIO 2205 B	4	•		•	C	

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	•	C
Lower Division Historical or Global [H] or [G]	0-3	•	C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3		C	
CRE 101: College Critical Reading	0-3		C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

FON 100: Introductory Nutrition OR FON 241: Principles of Human Nutrition	3	•	C
ECN 212: Microeconomic Principles	3		C
FON 142AB: OR Lower Division Elective	3		C
Lower Division Elective	16	•	C
Required Credits	60		

2014-2015 Catalog Year - MAPP

Nutrition (Human Nutrition) BS

ASU Major

Nutrition (Human Nutrition), BS - College of Health Solutions

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Nutrition (Human Nutrition) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. ASU's Nutrition (Human Nutrition) BS degree does not meet the Academy of Nutrition and Dietetics Didactic Program in Dietetics (DPD) requirements, thus does not qualify students to apply for a Dietetic Internship.

Maricopa Community College District Course Requirements

Required Courses	Pathway	AGEC-A Program	ASU	ASU	Min.	Notes
	Credits	Reqs	Trk	LD	Grade	
First Year Composition						
ENG 101: First-Year Composition 	3	•			C	
ENG 1101 OR						
ENG 107: First-Year Composition for ESL						
ENG 102: First-Year Composition 	3	•		•	C	
ENG 1102 OR						
ENG 108: First-Year Composition for ESL						
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 187: Precalculus	3	•	•	•	C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
CHM 151: General Chemistry I  CHM 1151 AND	4-5	•	•		C	
CHM 151LL: General Chemistry I Laboratory  CHM 1151 OR						
CHM 150AA: General Chemistry I  CHM 1151 OR						
CHM 151AA: General Chemistry I  CHM 1151						

CHM 152: General Chemistry II  CHM 1152 AND CHM 152LL: General Chemistry II Laboratory  CHM 1152	4	-	-	C	
General Education Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0-3	•		C	
Lower Division Historical or Global [H] or [G]	0-3	•		C	
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C	
CRE 101: College Critical Reading	0-3	•		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements					
BIO 181: General Biology I  BIO 1181	4			C	
BIO 182: General Biology II  BIO 1182	4			C	
FON 241: Principles of Human Nutrition	3		•	C	
BIO 201: Human Anatomy and Physiology I  BIO 2201	4		•	C	
BIO 202: Human Anatomy and Physiology II  BIO 2202	4		•	•	C
CHM 235: General Organic Chemistry I  CHM 2235 AND CHM 235LL: General Organic Chemistry I Laboratory  CHM 2235	4		•	•	C
CHM 236: General Organic Chemistry IIA  CHM 2236 AND CHM 236LL: General Organic Chemistry IIA Laboratory  CHM 2236	4		•	•	C
Lower Division Elective	2			C	
Required Credits	64				

2014-2015 Catalog Year - MAPP

Nutrition (Nutrition Communication) BS

ASU Major

Nutrition (Nutrition Communication), BS - College of Health Solutions

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Nutrition (Nutrition Communication) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. ASU's Nutrition (Human Communication) BS degree does not meet the Academy of Nutrition and Dietetics Didactic Program in Dietetics (DPD) requirements, thus does not qualify students to apply for a Dietetic Internship.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
COM 225: Public Speaking	3	•	•		C	
Mathematical Studies						
MAT 142: College Mathematics	3	•		•	C	
MAT 206: Elements of Statistics OR PSY 230: Introduction to Statistics OR SWU 225: Statistics for Social Research/Justice and Government OR JAS 225: Statistics for Social Research/Justice and Government OR GBS 221: Business Statistics	3	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
CHM 130: Fundamental Chemistry  CHM 1130 AND	4	•	•		C	

CHM 130LL: Fundamental Chemistry Laboratory  CHM 1130					
BIO 201: Human Anatomy and Physiology I  BIO 2201	4	•	•	C	
General Education Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0-3	•		C	
Lower Division Historical or Global [H] or [G]	0-3	•		C	
MCCCD Additional Requirements					
COM 100 : Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0		•	C	
CRE 101: College Critical Reading	0-3	•		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements					
FON 100: Introductory Nutrition OR FON 241: Principles of Human Nutrition	3		•	C	
FON 142AB: Applied Food Principles OR Lower Division Elective	3			•	C
COM 100: Introduction To Human Communication  COM 1100	3			•	C
ENG 216: Persuasive Writing on Public Issues OR ENG 217: Personal & Exploratory Writing	3			•	C
Lower Division Elective	3			C	ASU Nutrition (Nutrition Communication) BS requires students to complete one of five tracks: Communication, Media Analysis, Public Relations, Technical Communication, or Writing. Students can take COM 207 towards the Communication Track.
Lower Division Elective	10			•	C Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60				

2014-2015 Catalog Year - MAPP

Organizational Leadership, BA

ASU Major

Organizational Leadership, BA - School of Letters and Sciences

Special Requirements

Students must complete the MAPP and all special requirements, must have the Arizona General Education Curriculum (AGEC-A, AGEC-S, or AGEC-B) certified on their transcript and must have their Associate Degree (AA, AB, AS, or AAEE) completed and noted on their transcripts. Students satisfying these criteria meet ASU major map requirements and are guaranteed admission to the Organizational Leadership BA. degree program. Special requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway AGEC-A, AGEC-B, AGEC-S Credits	Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
MCCCD Additional Requirements						
COM 100: Introduction to Human Communication 	0-3	•			C	
COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication						
CRE 101: College Critical Reading	0-3	•			C	Complete CRE 101 or equivalent
Additional Lower Division Requirements						
MGT 246: Principles of Project Management OR TQM 240: Project Management In Quality Organizations	3		•		C	
MGT 229: Management And Leadership I	3		•		C	
MGT 230: Management And Leadership II	3		•		C	
Lower Division Elective	16-0				C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Maricopa AGEC	35	•			C	Complete courses to

complete the Maricopa
Arizona General
Education Curriculum
(AGEC) based on your
Associate's degree. A
completed AGEC
satisfies ASU's lower
division general studies
and first year
composition.

Required Credits

60

2014-2015 Catalog Year - MAPP

Parks & Recreation Management BS

ASU Major

Parks and Recreation Management, BS - College of Public Programs

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Parks & Recreation Management B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
COM 225: Public Speaking	3	•	•		C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•	•	C	
Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
REC 120: Leisure and Quality of Life	3	•	•		C	
AJS 101: Introduction to Criminal Justice	3	•		•	C	AJS 101: ASU Parks & Recreation Management BS requires 9 credit hours (3 courses) to fulfill the Public Programs Interdisciplinary requirement. Two courses are taken prior to transfer to ASU. The remaining course will be taken after transfer.
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ within

the Natural Science requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C] 0-3 • C

Lower Division Historical or Global [H] or [G] 0-3 • C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication 0 • C COM requirement: Satisfied by COM 225.

CRE 101: College Critical Reading 0-3 • C Complete CRE 101 or equivalent

Additional Lower Division Requirements

REC 210: Leisure Delivery Systems 3 • C

SWU 102: Introduction to Social Work OR SWU 171: Introduction to Social Welfare 3 • C SWU 102 or 171: ASU Parks & Recreation Management BS requires 9 credit hours (3 courses) to fulfill the Public Programs interdisciplinary requirement. Two courses are taken prior to transfer to ASU. The remaining course will be taken after transfer.

REC 230: Programming of Recreation Services 3 • C

Lower Division Elective 13 • C

REC 150AB: Outdoor Adventure Skills 3 • C REC 150AB: ASU Parks & Recreation Management BS requires 7 courses to fulfill the PRM Related Area requirement for graduation. The remaining 6 courses will be completed after transfer to ASU.

Required Credits 60

2014-2015 Catalog Year - MAPP

Parks & Recreation Management (Therapeutic Recreation) BS

ASU Major

Parks and Recreation Management (Therapeutic Recreation), BS - College of Public Programs

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Parks & Recreation Management (Therapeutic Recreation) B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL						
Literacy and Critical Inquiry						
COM 225: Public Speaking	3	•	•		C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•	•	C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
REC 120: Leisure and the Quality of Life	3	•	•		C	
CFS 205: Human Development	3	•	•		C	
Natural Science						
Lower Division Natural Sciences	4	•			C	Lower Division Natural Science: Must be SQ-Science Quantitative.
BIO 201: Human Anatomy and Physiology I  BIO 2201	4	•		•	C	
General Education Awareness Areas						
Lower Division Cultural Diversity in the US [C]	0-3	•			C	

Lower Division Historical or Global [H] or [G]	0-3		C	3 hours [H] satisfied by SWU 171 or SWU 102.
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0	■	C	MCCCD COM Requirement: Satisfied by COM 225.
CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent
Additional Lower Division Requirements				
BIO 202: Human Anatomy and Physiology II  BIO 2202	4		■	C
REC 210: Leisure Delivery Systems	3		■	C
AJS 101: Introduction to Criminal Justice	3		■	C
SWU 102: Introduction to Social Work OR SWU 171: Introduction to Social Welfare	3		■	C
PSY 101: Introduction To Psychology	3		■	C
PSY 266: Abnormal Psychology	3		■	C PSY 266 transfers as lower division credit.
Lower Division Elective	6		■	C Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60			

2014-2015 Catalog Year - MAPP

Philosophy BA

ASU Major

Philosophy, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Philosophy B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
PHI 103: Introduction to Logic  PHI 1103	3	•	•		C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
PHI 101: Introduction To Philosophy  PHI 1101 OR PHI 102: Introduction To Philosophy  PHI 1101 OR PHI 105: Introduction To Ethics  PHI 1105 OR PHI 212: Contemporary Moral Issues AND Lower Division Humanities and Fine Arts	3	•	•		C	
Lower Division Humanities and Fine Arts	3	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						

Lower Division Natural Sciences	8	-		C	
General Education Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0-3	■		C	
Lower Division Historical or Global [H] or [G]	0-3	■		C	
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3		■	C	
CRE 101: College Critical Reading	0-3		■	C	Complete CRE 101 or equivalent
Additional Lower Division Requirements					
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16			■ C	Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	25-0			■ C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60				

2014-2015 Catalog Year - MAPP

Philosophy, Religion and Society, BA

ASU Major

Philosophy, Religion and Society, BA - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECE-A, meets major map requirements at ASU, and guarantees admission to the Philosophy, Religion and Society, B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGECE-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•	•	C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
PHI 101: Introduction to Philosophy  OR PHI 102: Introduction to Philosophy  OR PHI 1101	3	•	•		C	
REL 100: World Religions	3	•	•		C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	Select at least one SQ within the Natural Science requirement.

AGECE Awareness Areas

Lower Division Cultural Diversity in the US	0-3	■	C		
Lower Division Historical or Global	0-3	■	C	3 hours [G] satisfied by REL 243.	
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C		
CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent	
Additional Lower Division Requirements					
Lower Division Select 3 courses that transfer to ASU as direct equivalents or departmental elective credit (DEC) in the ASU PHI or REL prefixes.	9		■	C	
Lower Division Language and Cultures: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language	0-16		■	C	Language and Cultures - may be completed after transfer. If choosing the computer language option to satisfy this requirement, select courses that transfer as direct equivalents to ASU's ACO 101 and ACO 102 in the Course Equivalency Guide.
Lower Division Elective	16-0		■	C	Lower division electives may include REL 202 (identified statewide common course) REL 270, REL 271, or REL 201 (identified statewide elective options).
Required Credits	60				

2014-2015 Catalog Year - MAPP

Physics, BA

ASU Major

Physics, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Science degree and AGECS, meets major map requirements at ASU, and guarantees admission to the Physics B.A. degree program. Special Requirements: 2.0 GPA in course work used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	Recommend selecting a course that satisfies L (Literacy and Critical Inquiry) and SB (Social and Behavioral Sciences) OR L (Literacy and Critical Inquiry) and HU (Humanities and Fine Arts) or L (Literacy and Critical Inquiry) and COM or L (Literacy and Critical Inquiry) and CRE101 requirements simultaneously.
Mathematics						
MAT 221: Calculus with Analytic Geometry I  MAT 2220	4	•			C	
Lower Division Lower Division Computer/Statistics/Quantitative Applications [CS]	3			•	C	
Humanities and Fine Arts						

Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Sciences						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
PHY 121: University Physics I: Mechanics  PHY 1121 B	4	•		•	C	
PHY 131: University Physics II: Electricity and Magnetism  PHY 1131 B	4	•		•	C	
AGEC Awareness Areas						
Lower Division Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Lower Division Historical or Global [H] or [G]	0-3	•			C	
MCCCD Additional Requirements						
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•			C	
CRE 101: College Critical Reading (or Equivalent)	0-3	•			C	
Subject Options						
MAT 230: Calculus With Analytic Geometry II  MAT 2230 OR MAT 231: Calculus With Analytic Geometry II  MAT 2230	4-5	•		•	C	
MAT 240: Calculus With Analytic Geometry III  MAT 2241 OR MAT 241: Calculus With Analytic Geometry III  MAT 2241	4-5	•		•	C	
Additional Lower Division Requirements						
CHM 151: General Chemistry I  CHM 1151 AND CHM 151LL: General Chemistry I Laboratory  CHM 1151 OR CHM 151AA: General Chemistry I  CHM 1151 OR CHM 150AA: General Chemistry I  CHM 1151	4-5			•	C	
Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16			•	C	Second Language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.
Lower Division Elective	12-0				C	Lower Division Electives should be completed once all other requirements have been met and

only if needed to complete
community college's associate
degree requirements.

Required Credits

60

2014-2015 Catalog Year - MAPP

Physics, BS

ASU Major

Physics, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate of Science degree and AGEC-S, meets major map requirements at ASU, and guarantees admission to the Physics B.S. degree program. Special Requirements: 2.0 GPA in course work used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	•			C	Literacy [L] recommend completing a course that satisfied both L & SB or L & HU or L & COM
Mathematics						
MAT 221: Calculus with Analytic Geometry I  MAT 220	4	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3				C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Sciences						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
PHY 121: University Physics I: Mechanics  PHY 1121 B	4	•	•		C	
PHY 131: University Physics II: Electricity and Magnetism  PHY 1131 B	4	•	•		C	

AGEC Awareness Areas

Lower Division Lower Division Cultural Diversity in the US [C]	0-3	■			C
Lower Division Lower Division Historical or Global [H] or [G]	0-3	■			C
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■			C
CRE 101: College Critical Reading (or Equivalent)	0-3	■			C
Subject Options					
MAT 230: Calculus With Analytic Geometry II  MAT 2230 OR MAT 231: Calculus With Analytic Geometry II  MAT 2230	4-5	■		■	C
MAT 240: Calculus With Analytic Geometry III  MAT 2241 OR MAT 241: Calculus With Analytic Geometry III  MAT 2241	4-5	■		■	C
Additional Lower Division Requirements					
Lower Division Elective	19-0				C
Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.					
Required Credits	60				

2014-2015 Catalog Year - MAPP

Political Science BA (New College of Interdisciplinary Arts & Sciences)

ASU Major

Political Science, BA - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Political Science B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•	•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•	•	C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
POS 110: American National Government  POS 1110	3	•	•		C	
POS 120: World Politics  POS 1120 OR POS 140: Comparative Government  POS 2204	3	•	•		C	
Natural Science						
Lower Division Natural Science	8	•			C	Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US	0-3	■	C	
Lower Division Historical or Global	0-3	■	C	3 hrs [G] satisfied by POS 120/POS 140 course option.
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C	
CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent.
Additional Lower Division Requirements				
POS 210: Political Ideologies	3	■	C	
Select 3 courses that transfer to ASU as direct equivalencies or department elective credit (DEC) in the following ASU prefixes: ASB, COM, CRJ, ECN, GCU, HST, HIS, POS, PSY, SBS, SOC, WST.	9		C	ASU required 12 hours of related coursework. 9 hours to be completed prior to transfer to ASU. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Language and Cultures: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language	0-16		C	You may satisfy the Language and Cultures requirement by completion of an intermediate language course or the computer language sequence; or, you may satisfy the requirement after transfer to ASU through various upper division course options.
Lower Division Elective	13-0	■	C	
Required Credits	60			

2014-2015 Catalog Year - MAPP

Political Science BA (College of Liberal Arts & Sciences)

ASU Major

Political Science, BA - College of Liberal Arts and Sciences

Special Requirements

MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Political Science B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
POS 110: American National Government  POS 1110	3	•	•		C	
POS 210: Political Ideologies	3	•	•		C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas						
Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Historical or Global [H] or [G]	0-3	•			C	3 hours [G] met by POS 120/POS 140.

MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■		C	
CRE 101: College Critical Reading	0-3	■		C	Complete CRE 101 or equivalent.
Additional Lower Division Requirements					
POS 120: World Politics  POS 1120 OR POS 140: Comparative Government  POS 2204	3	■		C	
Choose four related field courses that transfer to ASU as direct equivalencies or Departmental Elective credit (DEC) with the following ASU prefixes: AFR, AIS, ASB, ASM, COM, ECN, FAS, GCU, GPH, HST, MIS, PHI, PSY, REL, SOC, TCL, WST.	0-12		■	C	4 courses fulfill Related Field requirement. May be met within AGECE-A. Twelve hours of related field coursework is required for graduation and may be satisfied at the lower division or completed after transfer to ASU. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Select one course that transfers to ASU as a direct equivalent or Departmental Elective credit (DEC) in the POS prefix.	3		■	C	POS Elective: You may select specific courses from the Course Equivalency Guide that satisfy transfer as a POS DEC or POS direct equivalent. Determination is made based on the semester and year the course is taken.
Lower Division Second Language Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16		■	C	Lower division second language: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Elective	19-0		■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60				

2014-2015 Catalog Year - MAPP

Political Science BS (New College of Interdisciplinary Arts & Sciences)

ASU Major

Political Science, BS - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Political Science B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•	•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•	•	C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
POS 110: American National Government  POS 1110	3	•	•		C	
POS 120: World Politics  POS 1120 OR POS 140: Comparative Government  POS 2204	3	•	•		C	
Natural Science						
Lower Division Natural Science	8	•			C	Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US	0-3	•	C	
Lower Division Historical or Global	0-3	•	C	3 hours [G] satisfied by POS 120/POS 140 requirement.
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C	
CRE 101: College Critical Reading	0-3	•	C	Complete CRE 101 or equivalent
Additional Lower Division Requirements				
POS 210: Political Ideologies	3	•	C	
Lower Division Select two to three courses that transfer to ASU as direct equivalencies or departmental elective credit (DEC) in the following ASU prefixes: ASB, COM, CRJ, ECN, GCU, HST, HIS, PSY, POS, SBS, SOC, WST.	6-9		C	Lower Division Related Coursework: ASU requires 9 hours of related coursework. A minimum of 6 hours are to be completed prior to transfer to ASU. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Elective	16-13	•	C	
Required Credits	60			

2014-2015 Catalog Year - MAPP

Political Science BS (College of Liberal Arts & Sciences)

ASU Major

Political Science, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Political Science B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
POS 110: American National Government  POS 1110	3	•	•		C	
POS 210: Political Ideologies	3	•	•		C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas						
Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Historical or Global [H] or	0-3	•			C	3 hours [G] met by POS

[G]

120/POS 140.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C

CRE 101: College Critical Reading	0-3	•	C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

POS 120: World Politics  POS 1120 OR POS 140: Comparative Government  POS 2204	3	•	C

Choose four related field courses that transfer to ASU as direct equivalencies or Departmental Elective credit (DEC) with the following ASU prefixes: AFR, AIS, ASB, ASM, COM, ECN, FAS, GCU, GPH, HST, MIS, PHI, PSY, REL, SOC, TCL, WST.	0-12	•	C	Related Field Courses: 4 courses fulfill Related Field requirement. May be met within AGECE-A. Twelve hours of related field requirement is required for graduation and may be satisfied at the lower division or completed after transfer to ASU. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

Select one course that transfers to ASU as a direct equivalent or Departmental Elective credit (DEC) in the POS prefix.	3	•	C	POS Department Elective: You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

Lower Division Elective	19-7	•	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits	60

2014-2015 Catalog Year - MAPP

Psychology BA (New College of Interdisciplinary Arts & Sciences)

ASU Major

Psychology, BA - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Psychology B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•		•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
PSY 290AB: Research Methods OR PSY 290AC: Research Methods	3-4	•	•		C	
Mathematical Studies						
MAT 172: Finite Mathematics OR MAT 187: Precalculus OR MAT 212: Brief Calculus OR MAT 213: Brief Calculus	3-4	•	•		C	
PSY 230: Introduction to Statistics	3	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
PSY 101: Introduction to Psychology  PSY 1101	3	•	•		C	
Lower Division Social and Behavioral Science	3	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	Natural Science - Requires two natural science courses in addition to PSY 290AB and

290AC. Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US	0-3	•	C

Lower Division Historical or Global	0-3	•	C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C

CRE 101: College Critical Reading	0-3	•	C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

CIS 105: Survey of Computer Information Systems OR CSC 180: Computer Literacy OR CSC 180AA: Computer Literacy OR CSC 180AB: Computer Literacy	3-4	•	C

Lower Division Select 3 courses that transfer as direct equivalencies or departmental elective credit (DEC) in the following ASU prefixes: ASB, SBS, SOC, PSY	9	•	C	Lower Division Requirement - for following ASU prefixes: ASB, SBS, SOC, PSY. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

Lower Division Language and Cultures: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language	0-16	•	C	Lower Division Language - You may satisfy the Language and Cultures requirement by completion of an intermediate language course or the computer language sequence; or, you may satisfy the requirement after transfer to ASU through various upper division course options. If choosing the computer language option to satisfy this requirement, select courses that transfer as direct equivalents to CSE 100 and CSE 205.

Lower Division Elective	13-0	•	C

Required Credits	60

2014-2015 Catalog Year - MAPP

Psychology BA (College of Liberal Arts & Sciences)

ASU Major

Psychology, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Psychology B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. If a student has previously attended ASU but left with a GPA below 2.0, that student is not eligible to pursue this pathway because the student is not admissible to Psychology at the Tempe campus.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition SUN#ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition SUN#ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
PSY 290AB: Research Methods OR PSY 290AC: Research Methods	3-4	•	•		C	
Mathematical Studies						
MAT 187: Precalculus	3	•	•		C	
PSY 230: Introduction to Statistics	3	•	•		C	Math studies - PSY 230 or SWU 321 - Fulfills Computer/Statistics/Quantitative Applications [CS] requirement.
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
PSY 101: Introduction to Psychology SUN#PSY 1101	3	•	•		C	
Lower Division Social and Behavioral Sciences	3	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	■	C	
Lower Division Historical or Global [H] or [G]	0-3	■	C	

MCCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C	
CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

Lower Division Select Major Related Courses that transfer as either Departmental Elective credit or Direct Equivalencies to courses in the following ASU prefixes: ASB, ASM, BIO, GCU, HPS, PHI, SOC.	0-12	■	C	Lower Division - Foundation of Behavior Requirement - 12 credit hours from the approved discipline list. May be met within AGECA or electives.
Select a Psychology elective that transfers to ASU as Departmental Elective credit (DEC) or a direct equivalency in the PSY prefix, excluding PSY 270.	3	■	C	Lower Division - PSY elective - You may select specific courses from the Course Equivalency Guide that satisfy these criteria.
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16	■	C	Lower Division - Second Language Requirement - Select 101, 102, 201, 202 as needed to reach 4th semester proficiency.
Lower Division Elective	22-0	■	C	
Required Credits	60			

2014-2015 Catalog Year - MAPP

Psychology BS (New College of Interdisciplinary Arts & Sciences)

ASU Major

Psychology, BS - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Psychology B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•		•	C	
ENG 102: First-Year Composition  OR ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
PSY 290AB: Research Methods OR PSY 290AC: Research Methods	3-4	•	•		C	
Mathematical Studies						
MAT 187: Precalculus	3	•	•		C	
PSY 230: Introduction to Statistics	3	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
PSY 101: Introduction to Psychology	3	•	•		C	
Lower Division Social and Behavioral Science	3	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	ASU Psychology BS requires four natural science courses in addition to PSY 290AB and PSY 290AC: one life science course (from biology, microbiology, or zoology); one physical science course (from astronomy,

chemistry, geology, or physics); and any two additional courses from the AGECE Natural Sciences list. Complete at least three of the four required natural sciences courses prior to transfer to ASU. Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US	0-3	•	C

Lower Division Historical or Global	0-3	•	C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C

CRE 101: College Critical Reading	0-3	•	C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

CSC 180: Computer Literacy OR CSC 180AA: Computer Literacy OR CIS 105: Survey of Computer Information Systems  CIS 1120 OR CSC 180AB: Computer Literacy	3-4	•	C

Lower Division Social Behavioral Sciences (Select one course that transfers as a direct equivalent or departmental elective credit (DEC) with an [SB] designation.)	3	•	C

Lower Division Natural Science	4	•	C

Lower Division Natural Science	0-4	•	C

Lower Division Language and Cultures: Requirement satisfied through the following: * Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV; * Completion of two sequential semesters of coursework in a current computer language.	0-16	•	C	You may satisfy the Language and Cultures requirement by completion of an intermediate language course or the computer language sequence; or, you may satisfy the requirement after transfer to ASU through various upper division course options. If choosing the computer language option to satisfy this requirement, select courses that transfer as direct equivalents to CSE 100 and CSE 205.

Lower Division Elective	15-0	•	C

Required Credits	60

2014-2015 Catalog Year - MAPP

Psychology BS (College of Liberal Arts & Sciences)

ASU Major

Psychology, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Psychology B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. If a student has previously attended ASU but left with a gpa below 2.0, that student is not eligible to pursue this pathway because the student is not admissible to Psychology at the Tempe campus.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition SUN#ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition SUN#ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
PSY 290AB: Research Methods OR PSY 290AC: Research Methods	3-4	•	•		C	Students must complete two Natural Sciences in addition to PSY 290, at least one of which must carry the SQ designation.
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I SUN# MAT 2220	4	•	•		C	
PSY 230: Introduction to Statistics	3	•	•		C	PSY 230 fulfills Computer/Statistics/Quantitative Applications [CS] requirement as well as a requirement for the major.
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
PSY 101: Introduction to Psychology	3	•	•		C	
Lower Division Social and Behavioral Sciences	3	•			C	
Natural Science						

Lower Division Natural Sciences	8	-	C	Students must complete two Natural Sciences in addition to PSY 290, at least one of which must carry the SQ designation.
General Education Awareness Areas				
Lower Division Cultural Diversity in the US [C]	0-3	■	C	
Lower Division Historical or Global [H] or [G]	0-3	■	C	
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110 : Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C	
CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent
Additional Lower Division Requirements				
Select one course that transfers to ASU as a direct equivalent or Departmental Elective credit (DEC) with the PSY prefix, excluding PSY 270.	3		■	C
Lower Division Select Major Related courses that meet the following criteria: a) Satisfies General Studies AND b) Transfers as either Departmental Elective credit (DEC) or direct equivalency to a course in the following ASU prefixes: ASB, ASM, BIO, GCU, HPS, PHI, SOC.	12		■	C
Lower Division Elective	9-0		■	C
				Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60			

2014-2015 Catalog Year - MAPP

Public Service & Policy B.S.

ASU Major

Public Service and Public Policy, BS - College of Public Programs

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy B.S. program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A	Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition							
ENG 101: First Year Composition  OR ENG 1101 OR ENG 107: First Year Composition for ESL	3	•	•	•	•	C	
ENG 102: First Year Composition  OR ENG 1102 OR ENG 108: First Year Composition for ESL	3	•	•		•	C	
Literacy and Critical Inquiry							
ENG 216: Persuasive Writing on Public Issues	3	•	•		•	C	
Mathematical Studies							
MAT 142: College Mathematics	3	•	•	•	•	C	
MAT 206: Elements of Statistics  OR MAT 1160	3	•			•	C	
Humanities and Fine Arts							
Lower Division Humanities and Fine Arts	6	•	•		•	C	
Social and Behavioral Sciences							
POS 110: American National Government  OR POS 1110	3	•	•	•	•	C	
SOC 101: Introduction to Sociology  OR SOC 1101	3	•	•	•	•	C	
Natural Science							
Lower Division Natural Sciences	8	•	•		•	C	Select at least one SQ within the Natural Sciences requirement.
General Education Awareness Areas							
Lower Division Cultural Diversity in the	0-3	•			•	C	

U.S. (C)

Lower Division Historical (H) or Global (G) Awareness	0-3	•	•	C

MCCCD Additional Requirements

COM 225: Public Speaking	3	•		C

CRE 101: College Critical Reading	0-3	•		C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

PAD 100: 21st Century Public Policy and Service	3		•	•	C

PAD 200: Public Affairs Economics	3		•	•	C

Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken.	3			•	C	Public Programs Electives: Course cannot come from PAD 100, PAD 201, POS 110, OR SOC 101.

COPP Interdisciplinary Requirement	6			•	C	Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours. College of Public Programs students must take a total of three courses to meet the Interdisciplinary requirement. Two of the three courses may be taken at MCCCD, and the third is taken after transfer to ASU.

Lower Division Elective	7			•	C

Required Credits

60

Interdisciplinary Track 1

AJS 101: Introduction to Criminal Justice OR
AJS 212: Juvenile Justice Procedures OR
AJS 225: Criminology OR
AJS 109: Substantive Criminal Law

Interdisciplinary Track 2

REC 120: Leisure and the Quality of Life OR
HRM 160: Tourism Principles & Practices

Interdisciplinary Track 3

SWU 171: Introduction to Social Welfare

2014-2015 Catalog Year - MAPP

Public Service & Policy (American Indian Studies)

ASU Major

Public Service and Public Policy (American Indian Studies), BS - College of Public Programs

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy (American Indian Studies) B.S. program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•	•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•	•	C	
Literacy and Critical Inquiry						
ENG 216: Persuasive Writing on Public Issues	3	•		•	C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•	•	C	
MAT 206: Elements of Statistics  OR MAT 1160	3	•		•	C	
Humanities and Fine Arts						
Lower Division Arts and Humanities	6	•			C	
Social and Behavioral Science						
POS 110: American National Government  OR POS 1110	3	•	•	•	C	
SOC 101: Introduction to Sociology  OR SOC 1101	3	•	•	•	C	
Natural Science						
Lower Division Natural Science	8	•	•	•	C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas						
Lower Division Cultural Diversity in the US	0-3	•	•	•	C	

Lower Division Historical or Global	0-3	•	•	•	C	
MCCCD Additional Requirements						
COM 225: Public Speaking	3	•	•	•	C	
CRE 101: College Critical Reading	0-3	•	•		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements						
PAD 100: 21st Century Public Policy and Service	3			•	•	C
PAD 200: Public Affairs Economics	3			•	•	C
Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken.	3				•	C Public Programs Electives: Cannot be met with MCCC'D's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).
AIS 105: Introduction To American Indians Studies OR SOC 105: Introduction to American Indians Studies	3				•	C
AIS 110: Navajo Government OR AIS 160: American Indian Law OR SOC 160: American Indian Law	3				•	C
COPP Interdisciplinary Requirement Courses	6				•	C College of Public Programs Interdisciplinary Requirement: Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours. College of Public Programs students must take a total of three courses to meet the Interdisciplinary requirement. Two of the three courses may be taken at MCCC'D, and the third is taken after transfer to ASU.
Lower Division Elective	1				•	C
Required Credits	60					

Interdisciplinary Track 1

AJS 101: Introduction to Criminal Justice OR
AJS 212: Juvenile Justice Procedures OR
AJS 225: Criminology OR
AJS 109: Substantive Criminal Law

Interdisciplinary Track 2

REC 120: Leisure and the Quality of Life OR
HRM 160: Tourism Principles & Practices

Interdisciplinary Track 3

SWU 171: Introduction to Social Welfare

2014-2015 Catalog Year - MAPP

Public Service & Policy (Business) B.S.

ASU Major

Public Service and Public Policy (Business), BS - College of Public Programs

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy (Business) B.S. program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A	Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition							
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•	•	•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		•	C	
Literacy and Critical Inquiry							
ENG 216: Persuasive Writing on Public Issues	3	•			•	C	
Mathematical Studies							
MAT 142: College Mathematics	3	•	•	•	•	C	
MAT 206: Elements of Statistics  OR MAT 1160	3	•			•	C	
Humanities and Fine Arts							
Lower Division Arts and Humanities	6	•				C	
Social and Behavioral Science							
POS 110: American National Government  OR POS 1110	3	•	•	•	•	C	
SOC 101: Introduction to Sociology  OR SOC 1101	3	•	•	•	•	C	
Natural Science							
Lower Division Natural Science	8	•	•		•	C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas							
Lower Division Cultural Diversity in the US	0-3	•	•		•	C	

Lower Division Historical or Global	0-3	•	•	•	C	
MCCCD Additional Requirements						
COM 225: Public Speaking	3	•	•	•	C	
CRE 101: College Critical Reading	0-3	•	•		C	Complete CRE 101 or equivalent.
Additional Lower Division Requirements						
PAD 100: 21st Century Public Policy and Service	3			•	•	C
PAD 200: Public Affairs Economics	3			•	•	C
Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken.	3				•	C
COPP Interdisciplinary Requirement Courses	6				•	C
						Public Programs Electives: Cannot be met with MCCC'D's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).
						Select one course from two College of Public Programs Interdisciplinary Tracks, for a total of 6 credit hours. College of Public Programs students must take a total of 9 credits that meet the Interdisciplinary requirement. Two of these courses may be taken at MCCC'D, and the third is taken after transfer to ASU.
Lower Division Elective	7				•	C
Required Credits	60					

Interdisciplinary Track 1

AJS 101: Introduction to Criminal Justice OR
AJS 212: Juvenile Justice Procedures OR
AJS 225: Criminology OR
AJS 109: Substantive Criminal Law

Interdisciplinary Track 3

SWU 171: Introduction to Social Welfare

Interdisciplinary Track 2

REC 120: Leisure and the Quality of Life OR
HRM 160: Tourism Principles & Practices

2014-2015 Catalog Year - MAPP

Public Service & Policy (Criminology) B.S.

ASU Major

Public Service and Public Policy (Criminology), BS - College of Public Programs

Special Requirements

Completion of MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy (Criminology) B.S. program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A	Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition							
ENG 101: First Year Composition  ENG 1101 OR ENG 107: First Year Composition for ESL	3	•	•	•	•	C	
ENG 102: First Year Composition  ENG 1102 OR ENG 108: First Year Composition for ESL	3	•	•		•	C	
Literacy and Critical Inquiry							
ENG 216: Persuasive Writing on Public Issues	3	•	•		•	C	
Mathematical Studies							
MAT 142: College Mathematics	3	•	•	•	•	C	
MAT 206: Elements of Statistics  MAT 1160	3	•			•	C	
Humanities and Fine Arts							
Lower Division Humanities and Fine Arts	6	•	•		•	C	
Social and Behavioral Sciences							
POS 110: American National Government  POS 1110	3	•	•	•	•	C	
SOC 101: Introduction to Sociology  SOC 1101	3	•	•	•	•	C	
Natural Science							
Lower Division Natural Sciences	8	•	•		•	C	Select at least one SQ.
General Education Awareness Areas							
Lower Division Cultural Diversity in the U.S. (C)	0-3	•			•	C	

Lower Division Historical (H) or Global (G) Awareness	0-3	•	•	C		
MCCCD Additional Requirements						
COM 225: Public Speaking	3	•		C		
CRE 101: College Critical Reading	0-3	•		C	CRE 101 or equivalent, as indicated by assessment.	
Additional Lower Division Requirements						
PAD 100: 21st Century Public Policy and Service	3		•	•	C	
PAD 200: Public Affairs Economics	3		•	•	C	
Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken.	3			•	C	Public Programs Electives: Cannot be met with MCCC'D's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).
AJS 101: Introduction to Criminal Justice	3			•	C	
AJS 113: Criminal Justice Crime Control Policies & Practices	3			•	C	
COPP Interdisciplinary Requirement	3			•	C	Select one course from College of Public Programs Interdisciplinary Requirement Tracks for a total of 3 credit hours. College of Public Programs students must take a total of three courses to meet the Interdisciplinary requirement. Two of the three courses may be taken at MCCC'D, and the third is taken after transfer to ASU.
Lower Division Elective	4			•	C	
Required Credits	60					
Interdisciplinary Track 1		Interdisciplinary Track 2		Interdisciplinary Track 3		
AJS 212: Juvenile Justice Procedures OR AJS 225: Criminology OR AJS 109: Substantive Criminal Law		REC 120: Leisure and the Quality of Life OR HRM 160: Tourism Principles & Practices		SWU 171: Introduction to Social Welfare		

2014-2015 Catalog Year - MAPP

Public Service & Policy (Nonprofit Leadership and Management) B.S.

ASU Major

Public Service and Public Policy (Nonprofit Leadership and Management), BS - College of Public Programs

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy (Nonprofit Leadership and Management) B.S. program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A	Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition							
ENG 101: First Year Composition  ENG 1101 OR ENG 107: First Year Composition for ESL	3	•	•	•	•	C	
ENG 102: First Year Composition  ENG 1102 OR ENG 108: First Year Composition for ESL	3	•	•		•	C	
Literacy and Critical Inquiry							
ENG 216: Persuasive Writing on Public Issues	3	•	•		•	C	
Mathematical Studies							
MAT 142: College Mathematics	3	•	•	•	•	C	
MAT 206: Elements of Statistics  MAT 1160	3	•			•	C	
Humanities and Fine Arts							
Humanities and Fine Arts	6	•	•		•	C	
Social and Behavioral Sciences							
POS 110: American National Government  POS 1110	3	•	•	•	•	C	
SOC 101: Introduction to Sociology  SOC 1101	3	•	•	•	•	C	
Natural Science							
Lower Division Natural Sciences	8	•	•		•	C	Select at least one SQ.
General Education Awareness Areas							
Lower Division Cultural Diversity in the U.S. (C)	0-3	•			•	C	
Lower Division Historical (H) or Global	0-3	•			•	C	

(G) Awareness

MCCCD Additional Requirements

COM 225: Public Speaking 3 • C

CRE 101: College Critical Reading 0-3 • C CRE 101 or equivalent, as indicated by assessment.

Additional Lower Division Requirements

PAD 100: 21st Century Public Policy and Service 3 • • C

PAD 200: Public Affairs Economics 3 • • C

REC 120: Leisure and the Quality of Life 3 • C

Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken. 3 • C Public Programs Electives: Cannot be met with MCCC'D's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).

COPP Interdisciplinary Requirement 3 • C Select one course from College of Public Programs Interdisciplinary Requirement Tracks, for a total of 3 credit hours. College of Public Programs students must take a total of three courses to meet the Interdisciplinary requirement. Two of the three courses may be taken at MCCC'D, and the third is taken after transfer to ASU.

Lower Division Elective 7 • C

Required Credits 60

Interdisciplinary Track 1

AJS 101: Introduction to Criminal Justice OR
AJS 212: Juvenile Justice Procedures OR
AJS 225: Criminology OR
AJS 109: Substantive Criminal Law

Interdisciplinary Track 2

HRM 160: Tourism Principles & Practices

Interdisciplinary Track 3

SWU 171: Introduction to Social Welfare

2014-2015 Catalog Year - MAPP

Public Service & Policy (Parks & Recreation Management) B.S.

ASU Major

Public Service and Public Policy (Parks and Recreation Management), BS - College of Public Programs

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy (Parks & Recreation Management) B.S. program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A	Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition							
ENG 101: First Year Composition  OR ENG 107: First Year Composition for ESL	3	•	•	•	•	C	
ENG 102: First Year Composition  OR ENG 108: First Year Composition for ESL	3	•	•		•	C	
Literacy and Critical Inquiry							
ENG 216: Persuasive Writing on Public Issues	3	•	•		•	C	
Mathematical Studies							
MAT 142: College Mathematics	3	•	•	•	•	C	
MAT 206: Elements of Statistics  OR MAT 1160	3	•			•	C	
Humanities and Fine Arts							
Lower Division Humanities and Fine Arts	6	•	•		•	C	
Social and Behavioral Sciences							
POS 110: American National Government  OR POS 1110	3	•	•	•	•	C	
SOC 101: Introduction to Sociology  OR SOC 1101	3	•	•	•	•	C	
Natural Science							
Lower Division Natural Sciences	8	•	•		•	C	Natural Sciences: Select at least one SQ.
General Education Awareness Areas							
Lower Division Cultural Diversity in the	0-3	•			•	C	

U.S. (C)					
Lower Division Historical (H) or Global (G) Awareness	0-3	•		•	C
MCCCD Additional Requirements					
COM 225: Public Speaking	3		•		C
CRE 101: College Critical Reading	0-3		•		C Complete CRE 101 or equivalent
Additional Lower Division Requirements					
PAD 100: 21st Century Public Policy and Service	3		•	•	C
PAD 200: Public Affairs Economics	3		•	•	C
Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken.	3			•	C Public Programs Electives: Cannot be met with MCCC'D's PAD 100 (ASU PAF 100), PAD 200 (ASU PAF 201), POS 110 (ASU POS 110), or SOC 101 (ASU SOC 101).
REC 120: Leisure and the Quality of Life	3			•	C
COPP Interdisciplinary Requirement	3			•	C Select one course from College of Public Programs Interdisciplinary Requirement Tracks, for a total of 3 credit hours. College of Public Programs students must take a total of three courses to meet the Interdisciplinary requirement. Two of the three courses may be taken at MCCC'D, and the third is taken after transfer to ASU.
Lower Division Elective	7			•	C
Required Credits	60				

Interdisciplinary Track 1

AJS 101: Introduction to Criminal Justice OR
AJS 212: Juvenile Justice Procedures OR
AJS 225: Criminology OR
AJS 109: Substantive Criminal Law

Interdisciplinary Track 2

HRM 160: Tourism Principles & Practice

Interdisciplinary Track 3

SWU 171: Introduction to Social Welfare

2014-2015 Catalog Year - MAPP

Public Service & Policy (Science & Technology Policy) B.S.

ASU Major

Public Service and Public Policy (Science and Technology Policy), BS - College of Public Programs

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy (Science & Technology Policy) B.S. program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A	Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition							
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•	•	•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		•	C	
Literacy and Critical Inquiry							
ENG 216: Persuasive Writing on Public Issues	3	•			•	C	
Mathematical Studies							
MAT 142: College Mathematics	3	•	•	•	•	C	
MAT 206: Elements of Statistics  OR MAT 1160	3	•			•	C	
Humanities and Fine Arts							
Lower Division Arts and Humanities	6	•				C	
Social and Behavioral Science							
POS 110: American National Government  POS 1110	3	•	•	•	•	C	
SOC 101: Introduction to Sociology  SOC 1101	3	•	•	•	•	C	
Natural Science							
Lower Division Natural Science	8	•	•		•	C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas							
Lower Division Cultural Diversity in the US	0-3	•	•		•	C	

Lower Division Historical or Global	0-3	•	•	•	C	
MCCCD Additional Requirements						
COM 225: Public Speaking	3	•	•	•	C	
CRE 101: College Critical Reading	0-3	•	•		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements						
PAD 100: 21st Century Public Policy and Service	3			•	•	C
PAD 200: Public Affairs Economics	3			•	•	C
Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken.	3				•	C
COPP Interdisciplinary Requirement	6					C
						Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours. College of Public Programs students must take a total of three courses to meet the Interdisciplinary requirement. Two of the three courses may be taken at MCCC, and the third is taken after transfer to ASU.
Lower Division Elective	7					C
Required Credits	60					

Interdisciplinary Track 2

REC 120: Leisure and the Quality of Life OR
HRM 160: Tourism Principles & Practices

Interdisciplinary Track 3

SWU 171: Introduction to Social Welfare

Interdisciplinary Track 1

AJS 101: Introduction to Criminal Justice OR
AJS 212: Juvenile Justice Procedures OR
AJS 225: Criminology OR
AJS 109: Substantive Criminal Law

2014-2015 Catalog Year - MAPP

Public Service & Public Policy (Sustainability) B.S.

ASU Major

Public Service and Public Policy (Sustainability), BS - College of Public Programs

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Public Service & Policy (Sustainability) B.S. program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•			C	
Literacy and Critical Inquiry						
ENG 216: Persuasive Writing on Public Issues	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
MAT 206: Elements of Statistics  OR MAT 1160	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
POS 110: American National Government  OR POS 1110	3	•	•		C	
SOC 101: Introduction to Sociology  OR SOC 1101	3	•	•		C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Choose at least one SQ within the Natural Sciences Requirement.
General Education Awareness Areas						
Lower Division Lower Division Cultural Diversity in the US [C]	0-3	•			C	

Lower Division Lower Division Historical or Global [H] or [G]	0-3	•			C	
MCCCD Additional Requirements						
COM 225: Public Speaking	3	•		•	C	
CRE 101: College Critical Reading (or Equivalent)	0-3	•			C	
Additional Lower Division Requirements						
PAD 100: 21st Century Public Policy and Service	3		•	•	C	
PAD 200: Public Affairs Economics	3		•	•	C	
SUS 110: Sustainable World	3			•	C	
SSH 111: Sustainable Cities	3			•	C	
Public Programs Elective Requirement: complete a course that transfers to ASU with the following prefix CRJ, HST, PAF, POS, SOC, SOS, SWU according to the CEG for the term taken.	3			•	C	Public Programs Electives: Cannot be met with MCCCD's PAD 100, PAD 201, POS 110, or SOC 101.
COPP Interdisciplinary Requirement	6				C	Select one course from two different College of Public Programs Interdisciplinary Requirement Tracks, for a total of 6 credit hours. College of Public Programs students must take a total of three courses to meet the Interdisciplinary requirement. Two of the three courses may be taken at MCCCD, and the third is taken after transfer to ASU.
Lower Division Elective	1			•	C	
Required Credits	60					

Interdisciplinary Track 1

AJS 101: Introduction to Criminal
Justice OR
AJS 212: Juvenile Justice Procedures
OR
AJS 225: Criminology OR
AJS 109: Substantive Criminal Law

Interdisciplinary Track 2

REC 120: Leisure and the Quality of
Life OR
HRM 160: Tourism Principles &
Practices

Interdisciplinary Track 3

SWU 171: Introduction to Social
Welfare

2014-2015 Catalog Year - MAPP

Religious Studies BA

ASU Major

Religious Studies, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Religious Studies B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. After Transfer to ASU: 2.5 cumulative GPA in religion courses required for graduation.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition SUNY ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition SUNY ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
CSC 180: Computer Literacy OR CSC 180AA: Computer Literacy OR CIS 105: Survey of Computer Information Systems SUNY CIS 1120 OR CSC 180AB: Computer Literacy	3	•		•	C	Fulfills Computer/Statistics/Quantitative Applications [CS] requirement.
Humanities and Fine Arts						
REL 207: Ritual, Symbol, and Myth	3	•	•		C	
Lower Division Humanities and Fine Arts	3	•			C	May select courses that also satisfy Religion Elective requirement.
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	May select Related Area courses that transfer as either Department elective credit (DEC) or direct equivalency to a course in the following ASU prefixes: ASB, GCU, HST, PHI, or SOC.

Natural Science

Lower Division Natural Sciences	8	■	C	Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	■	C	
Lower Division Historical or Global [H] or [G]	0-3	■	C	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C	

CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

Select up to two courses that transfer to ASU as direct equivalents to a course with the ASU REL prefix or as REL Departmental Elective credit (DEC).	0-6	■	C	May include REL 270, REL 271, REL 201, or REL 243. May be satisfied within Humanities and Fine Arts and Social and Behavioral Science AGECE categories.

Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16	■	C	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

Lower Division Elective	25-0	■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits	60

2014-2015 Catalog Year - MAPP

Secondary Education (Chemistry) BAE

ASU Major

Secondary Education (Chemistry), BAE - Mary Lou Fulton Teachers College

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGECS, meets major map requirements at ASU, and guarantees admission to the Secondary Education (Chemistry) B.A.E. degree program. Special Requirements: 2.5 GPA in Chemistry concentration courses. 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Year Composition for ESL	3	■	■		C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	■	■		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	■			C	Recommend selecting a course which satisfies L (Literacy and Critical Inquiry) and SB (Social & Behavioral Sciences) OR L and HU (Humanities and Fine Arts) OR L and COM OR L and CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  MAT 220	4	■		■	C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	3	■			C	
HIS 103: United States History to 1865	3	■		■	C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	3	■			C	

EDU 222: Introduction to the Exceptional Learner	3	■	■	C	
Natural Science					
CHM 151: General Chemistry I  CHM 1151 AND CHM 151LL: General Chemistry I Laboratory  CHM 1151 OR CHM 151AA: General Chemistry I  CHM 1151	4	■	■	C	
CHM 152: General Chemistry II  CHM 1152 AND CHM 152LL: General Chemistry II Laboratory  CHM 1152 OR CHM 152AA: General Chemistry II  CHM 1152	4	■	■	C	
Subject Options					
PHY 111: General Physics I  PHY 1111 B	4	■	■	C	
PHY 112: General Physics II  PHY 1112 B	4	■	■	C	
General Education Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0	■		C	3 hrs [C] met by EDU 222.
Lower Division Historical or Global [H] or [G]	0	■		C	3 hrs [H] met by HIS 103.
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■		C	
CRE 101: College Critical Reading	0-3	■		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements					
CHM 235: General Organic Chemistry I  CHM 2235 AND CHM 235LL: General Organic Chemistry I Laboratory  CHM 2235	4		■	C	
CHM 236: General Organic Chemistry IIA  CHM 2236 AND CHM 236LL: General Organic Chemistry IIA Laboratory  CHM 2236	4		■	C	
EDU 220: Introduction to Serving English Language Learners (ELL)	3		■	C	
CIS 105: Survey of Computer Information Systems OR BPC 110: Computer Usage and Applications OR CSC 180: Computer Literacy OR	3		■	C	

CSC 180AA: Computer Literacy OR
CSC 180AB: Computer Literacy

MAT 230: Calculus With Analytic Geometry II  MAT 2230 OR MAT 231: Calculus With Analytic Geometry II  MAT 2230	4-5	•	C	
POS 221: Arizona Constitution	1	•	C	POS 221 fulfills ASU AZ constitution requirement.
Lower Division Elective	3	•	C	
Required Credits	60			

2014-2015 Catalog Year - MAPP

Secondary Education (English) BAE

ASU Major

Secondary Education (English), BAE - Mary Lou Fulton Teachers College

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Secondary Education (English) B.A.E. degree program. Special Requirements: 2.5 GPA in English concentration courses beyond first-year composition. 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition SUN#ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition SUN#ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
ENG 200: Reading and Writing About Literature	3	•	•		C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
CSC 180: Computer Literacy OR CIS 105: Survey of Computer Information Systems OR BPC 110: Computer Usage and Applications OR CSC 180AA: Computer Literacy	3	•		•	C	Fulfills Computer/Statistics/Quantitative Applications [CS] requirement.
Humanities and Fine Arts						
ENH 221: Survey of English Literature Before 1800	3	•		•	C	
ENH 222: Survey of English Literature After 1800	3	•		•	C	
Social and Behavioral Science						
EDU 222: Introduction to the Exceptional Learner	3	•	•		C	
Lower Division Social and Behavioral Sciences	3	•			C	

Natural Science					
Lower Division Natural Sciences	8	■	■	C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0-3	■		C	3 hrs [C] met by EDU 222.
Lower Division Historical or Global [H] or [G]	0-3	■		C	3 hrs [H] met by ENH 222.
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■		C	
CRE 101: College Critical Reading	0-3	■		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements					
EDU 220: Introduction to Serving English Language Learners (ELL)	3		■	C	
ENG 215: Strategies of Academic Writing OR ENG 216: Persuasive Writing on Public Issues OR ENG 217: Personal and Exploratory Writing	3			■	C
ENH 241: American Literature Before 1860	3			■	C
ENH 242: American Literature After 1860	3			■	C
Select two courses (6 hours) that transfer to ASU as direct equivalents or Departmental Elective credit (DEC) with an ENG/ENH prefix.	6			■	C Courses that transfer as ENG direct equivalencies or department electives: You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	7			■	C POS 220 is highly recommended to meet the AZ Constitution requirements.
Required Credits	60				

2014-2015 Catalog Year - MAPP

Secondary Education (History) BAE

ASU Major

Secondary Education (History), BAE - Mary Lou Fulton Teachers College

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Secondary Education (History) B.A.E. degree program. Special Requirements: 2.5 GPA in History concentration courses. 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
CSC 180: Computer Literacy OR CIS 105: Survey of Computer Information Systems OR BPC 110: Computer Usage and Applications	3	•	•		C	
Humanities and Fine Arts						
HIS 103: United States History to 1865	3	•	•		C	
Lower Division Humanities and Fine Arts	3	•			C	
Social and Behavioral Science						
EDU 222: Introduction to the Exceptional Learner	3	•	•		C	
HIS 104: United States History 1865 to Present	3	•	•		C	
Natural Science						
Lower Division Natural Sciences	8	•	•		C	Select at least one SQ within the

Natural Science requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C] 0-3 ■ C 3 hrs [C] met by EDU 222.

Lower Division Historical or Global [H] or [G] 0-3 ■ C 3 hrs [H] met by HIS 103.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication 0-3 ■ C

CRE 101: College Critical Reading 0-3 ■ C Complete CRE 101 or equivalent

Additional Lower Division Requirements

EDU 220: Introduction to Serving English Language Learners (ELL) 3 ■ C

HIS 100: History of Western Civilization to Middle Ages OR HIS 111: World History 1500 to Present OR HIS 253: History of Ireland to 1603 OR HIS 254: History of Ireland 1603 to Present OR HIS 272: History of the Far East 1900 to Present OR HIS 101: History of Western Civilization Middle Ages to 1789 OR HIS 102: History of Western Civilization 1789 to Present 6 C

Lower Division Select three courses that transfer as direct equivalencies or departmental elective credits to any of the following ASU prefixes: AFH, AFR, AFS, AIS, APA, APH, ARS, HPS, HUM, PHI, POL, POS, REL, SOC, TCL, WSH, WST, or MCCCD's FRE 266. 9 ■ C

POS 221: Arizona Constitution 1 ■ C

Lower Division Elective 6 ■ C

Required Credits 60

2014-2015 Catalog Year - MAPP

Secondary Education (Physical Education) BAE

ASU Major

Secondary Education (Physical Education), BAE - Mary Lou Fulton Teachers College

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Secondary Education (Physical Education) B.A.E. degree program. Special Requirements: 2.5 GPA in PE concentration courses. 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	Recommend selecting a course which satisfies L and COM OR L and CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
CIS 105: Survey of Computer Information Systems  CIS 1120	3	•		•	C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	3	•			C	
HIS 103: United States History to 1865	3	•		•	C	
Social and Behavioral Science						
EDU 221: Introduction to Education	3	•		•	C	
EDU 222: Introduction to the Exceptional Learner	3	•	•		C	

Natural Science

BIO 100: Biology Concepts	4	•		•	C
BIO 201: Human Anatomy & Physiology I  BIO 2201	4	•		•	C

General Education Awareness Areas

Lower Division Historical or Global [H] or [G]	0	•			C
Lower Division Cultural Diversity in the US [C]	0	•			C 3 hrs [C] met by EDU 222.

MCCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•			C
CRE 101: College Critical Reading	0-3	•			C Complete CRE 101 or equivalent

Additional Lower Division Requirements

BIO 202: Human Anatomy & Physiology II  BIO 2202	4		•	•	C
EDU 220: Introduction to Serving English Language Learners (ELL)	3		•		C
POS 221: Arizona Constitution	1			•	C Fulfills ASU AZ constitution requirement.
EXS 214: Instructional Competency: Flexibility and Mind-Body Exercises AND EXS 216: Instructional Competency: Muscular Strength and Conditioning AND EXS 218: Instructional Competency: Cardiorespiratory Exercises and Activities	6			•	C
PSY 101: Introduction to Psychology	3		•	•	C
Lower Division Elective	8			•	C

Required Credits 60

2014-2015 Catalog Year - MAPP

Secondary Education (Physics) BAE

ASU Major

Secondary Education (Physics), BAE - Mary Lou Fulton Teachers College

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Science degree and AGECS, meets major map requirements at ASU, and guarantees admission to the Secondary Education (Physics) B.A.E. degree program. Special Requirements: 2.5 GPA in Physics concentration courses. 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-S Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	0-3	•			C	Recommend selecting a course which satisfies L and COM OR L and CRE 101 requirements simultaneously.
Mathematical Studies						
MAT 221: Calculus with Analytic Geometry I  MAT 2220	4	•	•		C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	3	•			C	
HIS 103: United States History to 1865	3	•		•	C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	3	•			C	
EDU 222: Introduction to the Exceptional Learner	3	•	•		C	

Natural Science

PHY 115: University Physics I  4-5 • • C
 PHY 1121 OR
 PHY 121: University Physics I:
 Mechanics  PHY 1121

PHY 116: University Physics II  4-5 • • C
 PHY 1131 OR
 PHY 131: University Physics II:
 Electricity & Magnetism  PHY 1131

Subject Options

MAT 230: Calculus With Analytic
 Geometry II  MAT 2230 OR
 MAT 231: Calculus With Analytic
 Geometry II  MAT 2230

MAT 240: Calculus With Analytic
 Geometry III  MAT 2241 OR
 MAT 241: Calculus With Analytic
 Geometry III  MAT 2241

General Education Awareness Areas

Lower Division Cultural Diversity in the
 US [C] 0 • C 3 hrs [C] met by EDU 222.

Lower Division Historical or Global [H]
 or [G] 0 • C 3 hrs [H] met by HIS 103.

MCCCD Additional Requirements

COM 100: Introduction to Human
 Communication  COM 1100 OR
 COM 110: Interpersonal Communication
 OR
 COM 225: Public Speaking OR
 COM 230: Small Group Communication

CRE 101: College Critical Reading 0-3 • C Complete CRE 101 or equivalent

Additional Lower Division Requirements

PHY 241: University Physics III:
 Thermodynamics, Optics, and Wave
 Phenomena 4 • C

EDU 220: Introduction to Serving
 English Language Learners (ELL) 3 • C

POS 221: Arizona Constitution 1 • C Fulfills ASU AZ constitution
 requirement.

Lower Division Elective 14 • C

Required Credits 60

2014-2015 Catalog Year - MAPP

Secondary Education (Political Science) BAE

ASU Major

Secondary Education (Political Science), BAE - Mary Lou Fulton Teachers College

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Secondary Education (Political Science) B.A.E. degree program. Special Requirements: 2.5 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. While successful completion of the MAPP will guarantee admission to ASU's Mary Lou Fulton Teachers College, additional course work in your content area of specialization may be required prior to admission to the iTeachAZ Professional Teacher Program which may impact your ability to seamlessly progress through the upper division course work. We recommend you speak to a Mary Lou Fulton Teachers College advisor to discuss these requirements further.

Maricopa Community College District Course Requirements

Required Courses	Pathway AGEC-A Program	ASU	ASU	Min.	Notes
Credits	Reqs	Trk	LD	Grade	
First Year Composition					
ENG 101: First-Year Composition  3	•	•		C	
ENG 1101 OR ENG 107: First-Year Composition for ESL					
ENG 102: First-Year Composition  3	•	•		C	
ENG 1102 OR ENG 108: First-Year Composition for ESL					
Literacy and Critical Inquiry					
Lower Division Literacy and Critical Inquiry 3	•			C	
Mathematical Studies					
MAT 142: College Mathematics 3	•	•		C	
CSC 180: Computer Literacy OR CIS 105: Survey of Computer Information Systems OR BPC 110: Computer Usage and Applications OR CSC 180AA: Computer Literacy 3	•	•		C	
Humanities and Fine Arts					
HIS 103: United States History to 1865 3	•		•	C	
Lower Division Humanities and Fine Arts 3	•			C	
Social and Behavioral Science					
POS 110: American National Government  POS 1110 3	•		•	C	
POS 120: World Politics  POS 1120 3	•		•	C	

OR
 POS 140: Comparative Government
 POS 2204

Natural Science

Lower Division Natural Sciences	8	■	■	C	Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C]	0	■		C	3 hrs [C] met by EDU 222.

Lower Division Historical or Global [H] or [G]	0	■		C	3 hrs [G] met by POS 120 or POS 140.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■		C	

CRE 101: College Critical Reading	0-3	■		C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

EDU 220: Introduction to Serving English Language Learners (ELL)	3		■	C	

EDU 222: Introduction to the Exceptional Learner	3		■	C	

POS 210: Political Ideologies	3		■	C	

Select any course that transfers to ASU with a POS prefix.	3		■	C	Political Science elective course requirement: You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

Select any four courses that transfer to ASU as direct equivalencies or Departmental Elective credit (DEC) in the following prefixes: AFR, AFS, ASB, ASM, CCS, CSH, CSS, ECN, GCU, GPH, HST, PSY, SOC, WSH, WST.	12		■	C	Related Area Course Requirement: You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

POS 221: Arizona Constitution	1		■	C	POS 221: Fulfills ASU AZ constitution requirement.

Required Credits	60				

2014-2015 Catalog Year - MAPP

Social Work BSW

ASU Major

Social Work, BSW - College of Public Programs

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Social Work B.S.W. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. Upon transfer to ASU students must complete the following milestones in order to progress in the major: Successful submission and review of educational and career goals; two approved letters of reference; documented completion of 40 hours of human service experiences; and a 2.75 cumulative GPA in social work courses ASU-SWU 102, 171, 291, 292, 295, 303 and 310 (or equivalent MCCC courses). Students who do not satisfy the milestones will not be permitted to continue in the Social Work BSW degree program.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•		•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•		•	C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
PHI 101: Introduction to Philosophy or PHI 102: Introduction to Philosophy  OR PHI 105: Introduction to Ethics  PHI 1105	3	•	•		C	
Lower Division Humanities and Fine Arts	3	•			C	
Social and Behavioral Science						
PSY 101: Introduction to Psychology  PSY 1101 OR SOC 101: Introduction to Sociology  SOC 1101	3	•	•		C	

POS 110: American National Government SUN# POS 1110	3	-	-	C	
Natural Science					
Lower Division Natural Sciences	8	•		C	Natural Science - at least one course must be SQ course.
General Education Awareness Areas					
Lower Division Cultural Diversity in the US [C]	0	•		C	Cultural Diversity - 3 credits [C] satisfied by SWU 292.
Lower Division Historical or Global [H] or [G]	0	•		C	Historical or Global - 3 hours [H] satisfied by SWU 171 or SWU 102.
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication SUN#COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•		C	
CRE 101: College Critical Reading	0-3	•		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements					
ECN 211: Macroeconomic Principles SUN# ECN 2201	3		•	C	
SWU 102: Introduction to Social Work OR SWU 171: Introduction to Social Welfare	3		•	C	
SWU 291: Social Service Delivery Systems	3		•	C	
SWU 292: Effective Helping in a Diverse World	3		•	C	
AJS 101: Introduction to Criminal Justice AND REC 120: Leisure and the Quality of Life	6		•	C	
Language and Cultures: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Or completion of three additional courses in cultural diversity beyond general studies. Up to two semesters of Non-English Language (101, 102, 201, or 202 only), or sign language may apply toward the three course cultural diversity sequence.	0-9		•	C	Requirement can be satisfied with fewer than 9 credits ONLY if 202 level language proficiency is met (prior to transfer) through coursework, College Level Examination Program (CLEP), or ASU proficiency exams. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	7-0		•	C	

2.75 cumulative GPA in SWU 102:
Introduction to Social Work OR SWU
171: Introduction to Social Welfare, SWU

291: Social Service Delivery Systems,
SWU 292: Effective Helping in a Diverse
World

Required Credits

60

2014-2015 Catalog Year - MAPP

Sociology BA (New College of Interdisciplinary Arts & Sciences)

ASU Major

Sociology, BA - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Sociology B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•		•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•		•	C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
SOC 101: Introduction to Sociology  OR SOC 1101	3	•	•		C	
Lower Division Social and Behavioral Science	3	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas						
Lower Division Cultural Diversity in the US	0-3	•			C	

Lower Division Historical or Global	0-3	•	C	
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C	
CRE 101: College Critical Reading	0-3	•	C	Complete CRE 101 or equivalent
Additional Lower Division Requirements				
Lower Division Select 5 courses that transfer to ASU as direct equivalencies or Department Elective credit (DEC) in the following ASU prefixes: ASB, GCU, PGS, POS, PSY, SBS, SOC, or WST; or, select courses from the University General Studies SB list	0-15	•	C	Related Area Electives: You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken. Some of these courses may be met within AGECE.
Select one course that transfers to ASU in the SOC prefix	3	•	C	Sociology Electives: You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	22-7	•	C	
Required Credits	60			

2014-2015 Catalog Year - MAPP

Sociology BS (New College of Interdisciplinary Arts & Sciences)

ASU Major

Sociology, BS - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements earns MCCCCD Associate in Arts degree, satisfies AGEC-A, meets major map requirements at ASU and guarantees admission to the Sociology B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•		•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•		•	C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
SOC 101: Introduction to Sociology  OR SOC 1101	3	•	•		C	
Lower Division Social and Behavioral Science	3	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas						
Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Historical [H] or Global	0-3	•			C	

[G]

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C

CRE 101: College Critical Reading	0-3	■	C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

Related Field Requirement: Select four courses (12 hours) that transfer to ASU in the following ASU prefixes: ASB, GCU, PGS, POS, PSY, SBS, SOC, WST; or courses that transfer to ASU with Social Behavioral [SB] designation	0-12	■	C	Related Field Requirement: May be met within AGECEC. May include the following statewide common courses: SOC 140, SOC 157, SOC 212, SOC 251.

Lower Division Elective	25-0	■	C

Lower Division Language and Cultures: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language	0-16	■	C	Language and Cultures requirement: complete an intermediate language course (4th semester proficiency) or a computer language sequence (select courses that transfer as direct equivalents to ASU's ACO 101 and ACO 102 in the Course Equivalency Guide). Or, you may satisfy the requirement after transfer to ASU through various upper division course options.

Required Credits	60

2014-2015 Catalog Year - MAPP

Sociology BS (College of Liberal Arts & Sciences)

ASU Major

Sociology, BS - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Sociology B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
SOC 101: Introduction to Sociology  OR SOC 1101	3	•	•		C	
SOC 251: Social Problems OR SOC 140: Racial and Ethnic Minorities OR SOC 212: Gender and Society	3	•	•		C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	•	C	
Lower Division Historical or Global [H] or [G]	0-3	•	C	
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication SUN# COM 1100 OR COM 110 : Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C	
CRE 101: College Critical Reading	0-3	•	C	Complete CRE 101 or equivalent
Additional Lower Division Requirements				
Lower Division Select two courses that transfer to ASU with the ASU Social & Behavioral Sciences [SB] designation in the Course Equivalency Guide (CEG) (in addition to the AGECA SB courses).	6	•	C	Additional SB courses: You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Select three courses that transfer to ASU as direct equivalents or Departmental Electives in the following ASU prefixes: AFS, ASB, CDE, CSS, ECN, FAS, GCU, HST, POS, PGS, TCL, & WST.	9	•	C	Related Field Course Requirement: You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
SOC Lower Division Elective	6	•	C	Sociology Elective Requirement: Select two courses that transfer to ASU as a direct equivalent or Departmental Elective in the ASU SOC prefix. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	4-0	•	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60			

2014-2015 Catalog Year - MAPP

Spanish BA (New College of Interdisciplinary Arts & Sciences)

ASU Major

Spanish, BA - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Spanish B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•		•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•		•	C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Science	6	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas						
Lower Division Cultural Diversity in the US	0-3	•			C	
Lower Division Historical or Global	0-3	•			C	3 hours [G] satisfied by SPA 200-level courses.

MCCCD Additional Requirements

COM 100: Introduction to Human
Communication  COM 1100 OR
COM 110: Interpersonal Communication
OR
COM 225: Public Speaking OR
COM 230: Small Group Communication

0-3

•

C

CRE 101: College Critical Reading

0-3

•

C

Complete CRE 101 or
equivalent

Additional Lower Division Requirements

SPA 101: Elementary Spanish I or SPA
101AA: Elementary Spanish I  SPA
1101 AND
SPA 102: Elementary Spanish II or SPA
102AA: Elementary Spanish II  SPA
1102 OR
SPA 111: Fundamentals of Spanish

4-8

•

C

SPA 201: Intermediate Spanish I  SPA
2201 OR
SPA 203: Spanish for Spanish-Speaking
Students I

4

•

C

SPA 202: Intermediate Spanish II  SPA
2202 OR
SPA 204: Spanish for Spanish-Speaking
Students II

4

•

C

Lower Division Elective

13-9

•

C

Required Credits**60**

2014-2015 Catalog Year - MAPP

Spanish BA (College of Liberal Arts & Sciences)

ASU Major

Spanish, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Spanish B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. 2.33 cumulative GPA required in Sun Devil tracking courses: SPA 101, SPA 101AA, SPA 102, SPA 102AA (or SPA 111 if selected instead of SPA 101 and SPA 102), SPA 201, SPA 202.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	Three credit hours of Humanities and Fine Arts [HU] or Behavioral Science [SB] may be satisfied with SLC 201 or ENG 213.
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	Three credit hours of Humanities and Fine Arts [HU] or Behavioral Science [SB] may be satisfied with SLC 201 or ENG 213.
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ within the Natural Science

requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	•	C

Lower Division Historical or Global [H] or [G]	0-3	•	C	Three credit hours [G] met by SPA 201.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C

CRE 101: College Critical Reading	0-3	•	C	Complete CRE 101 or equivalent

Additional Lower Division Requirements

SPA 101: Elementary Spanish I or SPA 101AA: Elementary Spanish I  SPA 1101 AND SPA 102: Elementary Spanish II or SPA 102AA: Elementary Spanish II  SPA 1102 OR SPA 111: Fundamentals of Spanish	4-8	•	C	Demonstrated language proficiency at or above the 202 level is required for enrollment in upper division major requirement courses.

SPA 201: Intermediate Spanish I  SPA 2201	4	•	C

SPA 202: Intermediate Spanish II  SPA 2202	4	•	C

ENG 213: Introduction to the Study of Language OR SLC 201: Introduction to Linguistics	3	•	C	SLC 201 is preferred.

Lower Division Elective	10-0	•	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits	60

2014-2015 Catalog Year - MAPP

Speech & Hearing Science BS

ASU Major

Speech and Hearing Science, BS - College of Health Solutions

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Speech and Hearing Science B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. 2.8 GPA in Sun Devil Tracking courses: SLP205, PSY101, MAT187, PSY230 or MAT206, BIO201, PHY101, ENG215.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Year Composition for ESL	3	•		•	C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
ENG 215: Strategies of Academic Writing	3	•	•		C	
Mathematical Studies						
MAT 187: Precalculus	3	•	•		C	
PSY 230: Introduction to Statistics OR MAT 206: Elements of Statistics	3	•	•		C	Fulfills Computer/Statistics/Quantitative Applications [CS] requirement.
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
PSY 101: Introduction to Psychology  PSY 1101	3	•	•		C	
Lower Division Social and Behavioral Sciences	3	•			C	
Natural Science						
PHY 101: Introduction to Physics	4	•	•		C	
BIO 201: Human Anatomy and Physiology I  BIO 2201	4	•	•		C	

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	■	C
Lower Division Historical or Global [H] or [G]	0-3	■	C

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■	C
CRE 101: College Critical Reading	0-3	■	C Complete CRE 101 or equivalent.

Additional Lower Division Requirements

SLP 205: Introduction to Communication Disorders	3	■	C
Lower Division Elective	22	■	C
Required Credits	60		

2014-2015 Catalog Year - MAPP Sustainability BA

ASU Major

Sustainability, BA - School of Sustainability

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Sustainability, B.A. degree program. Special Requirements: A 3.3 Transfer GPA is required for admission to the Sustainability BA program. All courses must be completed with a grade of "C" or better. MCCC SSH 111 and SUS 110 must be completed with a "B-" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Composition for ESL	3	•			C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•			C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	Lower Division Literacy and Critical Inquiry: Recommend choosing COM 225 to simultaneously fulfill the MCCC Communication Requirement.
Mathematical Studies						
MAT 187: Pre-Calculus  OR MAT 1187	3	•		•	C	
JAS 225: Statistics for Social Research/Justice and Government  OR MAT 1160 OR MAT 206: Elements of Statistics OR SWU 225: Statistics for Social Research/Justice and Government  OR MAT 1160 OR GBS 221: Business Statistics OR PSY 230: Introduction To Statistics	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	Recommend completing Humanities and Fine Arts (HU) that also meets awareness areas.
Social and Behavioral Science						

SSH 111: Sustainable Cities	3	•	B-	SSH 111 also meets the Global [G] Awareness requirement.
Lower Division Social and Behavioral Sciences	3	•	C	Recommend completing Social and Behavioral (SB) that also meets awareness areas.
Natural Science				
Lower Division Natural Sciences	8	•	C	Natural Science: Complete at least one course with SQ designation.
General Education Awareness Areas				
Lower Division Lower Division Cultural Diversity in the US [C]	0-3	•	C	
Lower Division Lower Division Historical or Global [H] or [G]	0	•	C	
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C	
CRE 101: College Critical Reading (or Equivalent)	0-3	•	C	
Additional Lower Division Requirements				
SUS 110: Sustainable World	3	•	B-	
Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16	•	C	Foreign Language Requirement: Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	22-0		C	
Required Credits	60			

2014-2015 Catalog Year - MAPP

Technical Communication BS

ASU Major

Technical Communication, BS - School of Letters and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Technical Communication B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•		•	C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas						
Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Historical or Global [H] or [G]	0-3	•			C	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C

CRE 101: College Critical Reading	0-3	•	C	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

Lower Division Related area course: Select a course that transfers to ASU as a direct equivalent or departmental elective credit (DEC) in any of the following ASU prefixes: AFR, AIS, ASB, CCS, COM, EDP, ENG, EXW, FAS, FIN, FMS, GCU, GIT, GPH, HST, MGT, MKT, PSY, PHI, POS, REL, SOC, WST.	3	•	C	You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.

Lower Division Elective	22	•	C

Required Credits	60

2014-2015 Catalog Year - MAPP

Technological Entrepreneurship & Management

ASU Major

Technological Entrepreneurship and Management, BS - Ira A. Fulton Schools of Engineering

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Technological Entrepreneurship & Management BS degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•			C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•			C	
Literacy and Critical Inquiry						
PSY 290AB: Research Methods OR PSY 290AC: Research Methods	3-4	•		•	C	
Mathematical Studies						
MAT 187: Precalculus  MAT 1187	3	•		•	C	
Humanities and Fine Arts						
Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
PSY 101: Introduction to Psychology	3	•	•		C	
Social and Behavioral Sciences	3	•			C	
Natural Science						
Natural Sciences	8	•			C	Natural Science Requirement: Complete at least one SQ.
AGEC Awareness Areas						
Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Historical or Global [H] or [G]	0-3	•	•		C	

MCCC Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■		C	
CRE 101: College Critical Reading	0-3		■	C	Complete CRE 101 or equivalent
Additional Lower Division Requirements					
EPS 150: Introduction to Entrepreneurs	3		■	C	Lower division requirements: EPS 150, GBS 151, & INV 110 or TQM 101 fulfills ASU's TMC 110 & TEM 200 for MAPP students.
GBS 151: Introduction To Business	3		■	C	
INV 110: Introduction To Innovation OR TQM 101: Quality Customer Service OR CSM 101: Quality Customer Service	2-3			C	
Focus Area - complete 6 credit hours from: ACC 111: Accounting Principles I OR ACC 112: Accounting Principles II OR A maximum of 3 hours from GBS courses OR A maximum of 6 hours from MKT courses OR A maximum of 6 hours from MGT courses.	6		■	C	Focus Area - if completing the accounting sequence, other equivalencies will be accepted but excess hours will not apply to the pathway. Note: MCCCCD ACC 111 + ACC 122 = ASU ACC 231 + ASU Elective (3)
Mathematical Studies					
Lower Division PSY 230: Introduction to Statistics OR SWU 225: Statistics for Social Research OR JAS 225: Statistics for Social Research OR GBS 221: Business Statistics OR MAT 206: Elements of Statistics	3	■		C	
Additional Lower Division Requirements					
CSC 180: Computer Literacy OR CIS 105: Survey of Computer Information Systems  CIS 1120 OR CSC 180AA: Computer Literacy OR CSC 180AB: Computer Literacy	3-4		■	C	
Lower Division Elective	8-0			C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60				

2014-2015 Catalog Year - MAPP

Theatre, BA

ASU Major

Theatre, BA - Herberger Institute for Design and the Arts

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU. Acceptance into the School of Film, Dance and Theatre is contingent upon a successful interview in the semester before transferring to ASU. Please refer to the following website for application and audition deadlines: <http://theatrefilm.asu.edu/admissions/undergrad/applying/>. Students wishing to pursue a Bachelors of Arts in Theatre should meet with a Herberger advisor to discuss interview preparation by their third term of study at the community college. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition 	3	■			C	
ENG 1101 OR ENG 107: First-Year Composition for ESL						
ENG 102: First-Year Composition 	3	■			C	
ENG 1102 OR ENG 108: First-Year Composition for ESL						
Literacy and Critical Inquiry						
THE 220: Modern Drama  THE 2220	3	■	■		C	
Mathematical Studies						
MAT 142: College Mathematics	3	■			C	
Lower Division Lower Division Computer/Statistics/Quantitative Applications [CS]	3	■			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	■			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	■			C	
Natural Science						
Lower Division Natural Sciences	8	■			C	Natural Science Requirement: Complete at least one SQ.
General Education Awareness Areas						
Lower Division Lower Division Historical [H] or Global [G]	0-3	■			C	
Lower Division Lower Division Cultural	0-3	■			C	

Diversity in the US [C]

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C

CRE 101: College Critical Reading (or Equivalent)	0-3	•	C

Additional Lower Division Requirements

THP 112: Acting I	3	•	C

THP 213: Intro to Technical Theatre	3	•	C

THP 214: Directing Techniques	3	•	C

THP 217: Intro to Design Scenography	3	•	C

THP 201AA: Theatre Production I	1	•	C

Theater Elective: Complete two courses from COM 271, THP 131, THP 212, and THP 271.	6	•	C

Lower Division Elective	6		C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.

Required Credits	60

2014-2015 Catalog Year - MAPP

Theory & Composition (Theory), BMUS

ASU Major

Theory and Composition (Theory), BMUS - Herberger Institute for Design and the Arts

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Theory & Composition (Composition) degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better. Acceptance into the School of Music is contingent upon a successful audition the semester before transferring to ASU. Please refer to the following website for an application and audition deadlines: <http://music.asu.edu/admissions> Students wishing to pursue a Bachelors of Music Degree other than the BM Theory & Composition in Theory should meet with a Herberger advisor to discuss audition preparation by their third term of study at the community college. The Bachelor of Music degree requires successful completion of an audition demonstrating a high level of musicianship and may require more than 2 years of study at ASU.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  ENG 1101 OR ENG 107: First-Composition for ESL	3	•			C	
ENG 102: First-Year Composition  ENG 1102 OR ENG 108: First-Year Composition for ESL	3	•			C	
Literacy and Critical Inquiry						
COM 225: Public Speaking	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•			C	
MTC 180: Computer Literacy for Musicians	3	•		•	C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	3	•			C	
MHL 143: Music in World Cultures	3	•		•	C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	Social and Behavioral Sciences [SB]: complete courses that meets SB and both the C and H or G awareness area requirements.
Natural Science						

Lower Division Natural Sciences	8	-				C	Natural Science: complete at least one SQ.
General Education Awareness Areas							
Lower Division Lower Division Cultural Diversity in the US [C]	0-3	■				C	
Lower Division Lower Division Historical or Global [H] or [G]	0	■				C	
MCCCD Additional Requirements							
COM 100: Introduction to Human Communication SUNY OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0	■	■			C	
CRE 101: College Critical Reading (or Equivalent)	0-3	■	■			C	
Additional Lower Division Requirements							
MTC 105: Music Theory I AND MTC 106: Aural Perception I	4			■	■	C	
MTC 155: Music Theory II AND MTC 156: Aural Perception II	4			■	■	C	
MTC 205: Music Theory III SUNY AND MTC 206: Aural Perception III	4			■	■	C	
MTC 255: Music Theory IV SUNY AND MTC 256: Aural Perception IV	4			■	■	C	
MUP 102: Private Instruction	2			■	■	C	Select one MUP 102, one MUP 152, one MUP 202, and one MUP 252 suffixed course.
MUP 152: Private Instruction	2			■	■	C	
MUP 202: Private Instruction	2			■	■	C	
MUP 252: Private Instruction	2			■	■	C	
MUP 209: Elements of Conducting	2				■	C	
Required Credits	61						

2014-2015 Catalog Year - MAPP

Tourism Development & Management BS

ASU Major

Tourism Development and Management, BS - College of Public Programs

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Tourism Development & Management B.S. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•		•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
COM 225: Public Speaking	3	•	•		C	
Mathematical Studies						
MAT 142: College Mathematics	3	•		•	C	
Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
REC 120: Leisure and the Quality of Life	3	•	•		C	
AJS 101: Introduction to Criminal Justice	3	•		•	C	ASU Tourism Development & Management BS requires 9 credit hours (3 courses) to fulfill the Public Programs Interdisciplinary requirement. Two courses are taken prior to transfer to ASU. The remaining course will be taken after transfer.
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ within

the Natural Science
requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	•	C

Lower Division Historical or Global [H] or [G]	0	•	C	3 hours [H] satisfied by SWU 102 or SWU 171.

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0	•	C	Satisfied by COM 225.

CRE 101: College Critical Reading	0-3	•	C	Complete CRE 101 or equivalent.

Additional Lower Division Requirements

REC 210: Leisure Delivery Systems	3	•	C

SWU 102: Introduction to Social Work OR SWU 171: Introduction to Social Welfare	3	•	C	ASU Tourism Development & Management BS requires 9 credit hours (3 courses) to fulfill the Public Programs Interdisciplinary requirement. Two courses are taken prior to transfer to ASU. The remaining course will be taken after transfer.

Lower Division Elective	19	•	C	May include REC 250 and REC 230 if desired.

Required Credits	60

2014-2015 Catalog Year - MAPP

Transborder Chicana/o & Latina/o Studies (Concentrations in: Transborder Community Development and Health, US and Mexican Regional Immigration Policy & Economy, or Media and Expressive Culture) BA

ASU Major

Transborder Chicana/o and Latina/o Studies (Transborder Community Development and Health), BA - College of Liberal Arts and Sciences

Transborder Chicana/o and Latina/o Studies (Media and Expressive Culture), BA - College of Liberal Arts and Sciences

Transborder Chicana/o and Latina/o Studies (US and Mexican Regional Immigration Policy and Economy), BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCCDC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Transborder Chicana/o & Latina/o Studies (Concentrations in: Transborder Community Development and Health, US and Mexican Regional Immigration Policy & Economy, or Media and Expressive Culture) BASpecial Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First Year Composition 	3	•	•		C	
ENG 1101 OR ENG 107: First Year Composition for ESL						
ENG 102: First Year Composition 	3	•	•		C	
ENG 1102 OR ENG 108: First Year Composition for ESL						
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
CCS 101: Chicana and Chicano Studies	3	•		•	C	
Lower Division Humanities and Fine Arts	3	•			C	
Social and Behavioral Science						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						

Lower Division Natural Sciences	8	•	C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas				
Lower Division Cultural Diversity in the US [C]	0	•	C	
Lower Division Historical or Global [H] or [G]	0-3	•	C	
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C	
CRE 101: College Critical Reading	0-3	•	C	Complete CRE 101 or equivalent.
Additional Lower Division Requirements				
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV.	0-16	•	C	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken. TCLS majors are expected to fulfill the college's language requirement in Spanish prior to transfer. In addition, all majors must demonstrate proficiency in Spanish by passing an upper division TCLS course taught in Spanish.
Lower Division Elective	25-0	•	C	
Required Credits	60			

2014-2015 Catalog Year - MAPP

Urban Planning, BSP

ASU Major

Urban Planning, BSP - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGEC-A, meets major map requirements at ASU, and guarantees admission to the Urban Planning B.S.P. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Sciences						
Lower Division Social and Behavioral Sciences	6	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ course in the Natural Science requirement
AGEC Awareness Areas						
Lower Division Cultural Diversity in the US [C]	0-3	•			C	
Lower Division Historical or Global [H] or [G]	0-3	•			C	

MCCCD Additional Requirements

COM 100: Introduction to Human Communication  COM 1100 OR
COM 110: Interpersonal Communication
OR
COM 225: Public Speaking OR
COM 230: Small Group Communication

0-3



C

CRE 101: College Critical Reading (or
Equivalent)

0-3



C

Additional Lower Division Requirements

SSH 111: Sustainable Cities

3



C

SOS 111 can be used to meet
Humanities and Fine Arts (HU)
or Social Behavioral Sciences
(SB) and Global (G) AGEC
requirements.

SCT 100: Introduction to Sustainable Built
Environments

3



C

Lower Division Elective

19-0

C

Lower Division Electives
should be completed once all
other requirements have been
met and only if needed to
complete community college's
associate degree requirements.

Required Credits**60**

2014-2015 Catalog Year - MAPP

Women & Gender Studies BA (New College of Interdisciplinary Arts & Sciences)

ASU Major

Women and Gender Studies, BA - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Women & Gender Studies B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•		•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•		•	C	
Lower Division Computer/Statistics/Quantitative Applications	3	•			C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
WST 100: Introduction to Women's and Gender Studies	3	•	•		C	
Lower Division Social and Behavioral Science	3	•			C	
Natural Science						
Lower Division Natural Science	8	•			C	Select at least one SQ within the Natural Science requirement.
General Education Awareness Areas						
Lower Division Cultural Diversity in the US	0-3	•			C	3 hours [C] satisfied by WST 100.

Lower Division Historical or Global	0-3	•	C	
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C	
CRE 101: College Critical Reading	0-3	•	C	Complete CRE 101 or equivalent
Additional Lower Division Requirements				
Select one course from the Maricopa WST prefix, or one course that transfers to ASU as WST departmental elective credit (DEC) or direct equivalency.	3	•	C	WST DEC: You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	22	•	C	Lower Division Electives: May include WST 110, SOC 212, or WST 290 (identified statewide common courses).
Required Credits	60			

2014-2015 Catalog Year - MAPP

Women & Gender Studies BA (College of Liberal Arts & Sciences)

ASU Major

Women and Gender Studies, BA - College of Liberal Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Women and Gender Studies B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•	•		C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•	•		C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•	•		C	
Lower Division Computer/Statistics/Quantitative Applications [CS]	3	•			C	
Humanities and Fine Arts						
ASB 211: Women in Other Cultures	3	•		•	C	Also fulfills Related Area course requirement.
Lower Division Humanities and Fine Arts	3	•			C	
Social and Behavioral Science						
WST 100: Introduction to Women's and Gender Studies	3	•	•		C	
Lower Division Social and Behavioral Sciences	3	•			C	
Natural Science						
Lower Division Natural Sciences	8	•			C	Select at least one SQ within the Natural Science requirement.

General Education Awareness Areas

Lower Division Cultural Diversity in the US [C]	0-3	•	C	3 hrs [C] satisfied by WST 100.
Lower Division Historical or Global [H] or [G]	0-3	•	C	3 hrs [G] satisfied by ASB 211.
MCCCD Additional Requirements				
COM 100: Introduction to Human Communication SUN# COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	•	C	
CRE 101: College Critical Reading	0-3	•	C	Complete CRE 101 or equivalent.
Additional Lower Division Requirements				
Lower Division Second Language: Requirement satisfied through the following: Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV	0-16	•	C	Select 101, 102, 201, 202 as needed to reach 4th semester proficiency. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Select two courses (6 credit hours) that transfer to ASU as course equivalent or department elective (DEC) in WST prefix.	6	•	C	Fulfills Women and Gender Studies elective requirement. May be met within AGECA. You may select specific courses from the Course Equivalency Guide that satisfy these criteria. Determination is made based on the semester and year the course is taken.
Lower Division Elective	19-0	•	C	May include WST110, SOC212 or WST 290 (identified statewide common courses) if not already taken. Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Required Credits	60			

2014-2015 Catalog Year - MAPP

Women and Gender Studies, BS

ASU Major

Women and Gender Studies, BS - New College of Interdisciplinary Arts and Sciences

Special Requirements

Completion of the MAPP and all special requirements satisfies the requirements for MCCC Associate in Arts degree and AGECA, meets major map requirements at ASU, and guarantees admission to the Women & Gender Studies B.A. degree program. Special Requirements: 2.0 GPA in coursework used to satisfy MAPP requirements. All courses must be completed with a grade of "C" or better.

Maricopa Community College District Course Requirements

Required Courses	Pathway Credits	AGEC-A Program Reqs	ASU Trk	ASU LD	Min. Grade	Notes
First Year Composition						
ENG 101: First-Year Composition  OR ENG 107: First-Year Composition for ESL	3	•		•	C	
ENG 102: First-Year Composition  OR ENG 108: First-Year Composition for ESL	3	•		•	C	
Literacy and Critical Inquiry						
Lower Division Literacy and Critical Inquiry	3	•			C	
Mathematical Studies						
MAT 142: College Mathematics	3	•		•	C	
PSY 230: Introduction To Statistics	3	•		•	C	
Humanities and Fine Arts						
Lower Division Humanities and Fine Arts	6	•			C	
Social and Behavioral Science						
WST 100: Introduction to Women's and Gender Studies	3	•	•		C	
PSY 101: Introduction To Psychology  PSY 1101	3	•		•	C	
Natural Science						
Lower Division Natural Science	8	•			C	Natural Science: complete at least one SQ.

AGEC Awareness Areas

Lower Division Cultural Diversity in the US	0-3	■		C	
Lower Division Historical or Global	0-3	■		C	
MCCCD Additional Requirements					
COM 100: Introduction to Human Communication  COM 1100 OR COM 110: Interpersonal Communication OR COM 225: Public Speaking OR COM 230: Small Group Communication	0-3	■		C	
CRE 101: College Critical Reading	0-3	■		C	Complete CRE 101 or equivalent
Additional Lower Division Requirements					
Lower Division Women Studies Elective: Select one course that transfers to ASU with the WST prefix	3		■	C	
Lower Division Electives: Recommended courses include WST 110, SOC 212, and/or WST 290	22-0		■	C	Lower Division Electives should be completed once all other requirements have been met and only if needed to complete community college's associate degree requirements.
Lower Division Language and Cultures: Requirement satisfied through the following: Completion of secondary education at a school in which the language of instruction is not English OR Completion of a language course at the intermediate level (202 or equivalent), including American Sign Language IV OR Completion of two sequential semesters of coursework in a current computer language	0-16			■	C
Required Credits	60				